

Cable Reference Guide



data communications

CBL-400-03/02

Multiservice Access Platform

DXC	Megaplex	FCD-E1	Optimux-4E1	IMX-2	R-STM-1E
		FCD-E1A	Optimux-4T1	IMX-6L	
		FCD-E1M	Optimux-XLE1	IMX-64	
		FCD-T1	Optimux-XLT1		
		FCD-T1A	Optimux-XLE1/16		
		FCD-T1M	Optimux-4E1C		
		FCD-E1I			
		FCD-IP	PRBi-E3		
		FCD-1L	PRBi-T3		
		FCD-2			
		FCD-2L			
		FCD-20			
		FCD-24			
		FCD-NTU			

DXC

DCL.2 D8U, D16U

DE1B, DT1B D4T1, D8T1

DIM D4E1, D8E1

DHS

DXC

DCL.2

Configuration Cables

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-SP-9	Straight cable with one male and two female DB-9 connectors

DXC

DE1B, DT1B

CBL-MP-RJ45/STR Straight cable for balanced E1/T1 connection

CBL-MP-RJ45/CROSS Cross cable for balanced E1/T1 connection

DXC

DIM

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

DXC

DHS

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment

DXC

D8U, D16U

CBL-D8U-RJ45/X Adapter cable for converting one DB-25 connector to 8 RJ-45 connectors

DXC

D4T1, D8T1

CBL-D8T1-RJ45/X Adapter cable for converting two DB-25 connectors to 8 RJ-45 connectors

DXC

D4E1, D8E1

CBL-D8E1-BNC	Adapter cable for converting two DB-25 connectors to 16 BNC connectors
CBL-MINIBNC-BNC	Adapter cable converting between mini BNC and regular BNC connectors
CBL-D8E1-RJ45/X	Adapter cable for converting two DB-25 connectors to 8 RJ-45 connectors
CBL-D4E1-MBNC	Adapter cable for converting one DB-25 connector to 8 mini-BNC connectors

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CL.2	LS-2, LS-2A	HS-2	Ringers
ML-20	LS-6	HS-3	
VF-PBX	LS-12	HS-6, HS-12	
VC-2		HS-Q	
VC-6		HS-Q/SC, HS-Q/N	
VC-Q		HS-R	
VF-3		HS-S, HS-U	

Megaplex

CL.2

Configuration Cables

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-SP-9	Straight cable with one male and two female DB-9 connectors

Megaplex

ML-20

CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-HBT/V35	Straight cable for connecting to the V.35 equipment
CBL-HBT/X21	Straight cable for connecting to the X.21 equipment
CBL-V35/CROSS	Cross cable for connecting to the V.35 equipment

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VF-PBX

CBL-VC-PBX/LS6 Splitter cable for connecting to the user equipment

CBL-VC-PBX/EXP Expansion cable for cascading the VF-PBX modules

Megaplex

VC-2

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER-LNG	Cable for connecting a Ringer DC-output connector to a single module, 1.5m

Megaplex

VC-6

CBL-VC6	Splitter cable for connecting modules with DB-25 connector to user equipment
CBL-VC16	Splitter cable for connecting modules with TELCO-50 connector to user equipment
CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER-LNG	Cable for connecting a Ringer DC-output connector to a single module, 1.5m

Megaplex

VC-12

CBL-VC12/FXOS Splitter cable for the modules with FXS or FXO interfaces

CBL-VC12/E&M Splitter cable for the modules with E&M interfaces

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VC-Q

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER-LNG	Cable for connecting a Ringer DC-output connector to a single module, 1.5m

Megaplex

VF-3

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER-LNG	Cable for connecting a Ringer DC-output connector to a single module, 1.5m

Megaplex

LS-2, LS-2A

CBL-LS201	Splitter cable for connecting 4U modules to user equipment
CBL-LS203	Splitter cable for connecting 4U modules to user DCE equipment
CBL-LS102	Cross cable with two DB-25 connectors
CBL-LS202	Splitter cable for connecting 6U modules to user equipment

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LS-6

CBL-LS6 Splitter cable for connecting to user equipment

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LS-12

CBL-LS12 Splitter cable for connecting to user equipment

Megaplex

HS-2

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-HS2X2	Adapter cable for connecting ports with DTE1 timing to X.21 equipment

Megaplex

HS-3

CBL-HS3V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS3R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS3X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-HS3S1	Adapter cable for connecting ports with DCE timing to RS-530 equipment

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HS-Q

CBL-HSQV1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HSQR1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HSQX1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-HSQS1	Adapter cable for connecting ports with DCE timing to RS-530 equipment
CBL-HSQS2	Adapter cable for connecting ports with DTE1 timing to RS-530 equipment

Megaplex

HS-Q/SC, HS-Q/N

CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment

Megaplex

HS-R

CBL-HSR Splitter cable for connecting to user equipment

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HS-S, HS-U

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules

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HS-6, HS-12

CBL-SCS40/V35	Adapter cable for connecting SCSI-40 ports to V.35 equipment
CBL-SCS40/X21	Adapter cable for connecting SCSI-40 ports to X.21 equipment
CBL-SCS40/530	Adapter cable for connecting SCSI-40 ports to RS-530 equipment

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Ringer-2100R, Ringer-2000

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER-LNG	Cable for connecting a Ringer DC-output connector to a single module, 1.5m

Ringer-2200

CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector
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FCD-E1, FCD-E1A

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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FCD-E1M

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-HSR	Splitter cable for connecting to user equipment (HS-R)
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-VC6	Splitter cable for connecting to user equipment (VC-6)

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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FCD-T1, FCD-T1A

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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FCD-T1M

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-HSR	Splitter cable for connecting to user equipment (HS-R)
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-VC6	Splitter cable for connecting to user equipment (VC-6)

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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FCD-E1I

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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FCD-IP

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-530/449	Adapter cable for connecting RS-530 to V.36

Configuration Cable

CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
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FCD-2, FCD-24

CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-HBT/V35	Straight cable for connecting to the V.35 equipment
CBL-HBT/X21	Straight cable for connecting to the X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
Configuration Cable	
CBL-SP-9	Straight cable with one male and two female DB-9 connectors

FCD-2L, FCD-1L

CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment

FCD-20

CBL-HBT/V35	Straight cable for connecting to the V.35 equipment
CBL-HBT/X21	Straight cable for connecting to the X.21 equipment

FCD-NTU

CBL-HBT/V35 Straight cable for connecting to the V.35 equipment

CBL-HBT/X21 Straight cable for connecting to the X.21 equipment

CBL-MP-RJ45/STR Straight cable for balanced E1/T1 connection

CBL-MP-RJ45/CROSS Cross cable for balanced E1/T1 connection

Configuration Cable

CBL-SP-9 Straight cable with one male and two female DB-9 connectors

Optimux-4E1

CBL-MP-RJ45/STR Straight cable for balanced E1/T1 connection

CBL-MP-RJ45/CROSS Cross cable for balanced E1/T1 connection

CBL-BNC/BNC Coax cable for unbalanced E1 connection

Configuration Cable

CBL-DB25/9-EYN250 Cross cable for connecting V.24 DTE supervisory port to terminal

Optimux-4T1

CBL-MP-RJ45/STR Straight cable for balanced E1/T1 connection

CBL-MP-RJ45/CROSS Cross cable for balanced E1/T1 connection

Configuration Cable

CBL-DB25/9-EYN250 Cross cable for connecting V.24 DTE supervisory port to terminal

Optimux-4E1C

CBL-OP-4E1C/RJ45	Adapter cable for connecting SCSI-26 port to the RJ-45 ports
CBL-MINIBNC-BNC	Adapter cable converting between mini BNC and regular BNC connectors

Optimux-XLE1

CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-BNC/BNC	Coax cable for unbalanced E1 connection
CBL-MINIBNC-BNC	Adapter cable converting between mini BNC and regular BNC connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-DB25-EYN251	Cross cable for connecting V.24 DTE supervisory port to terminal
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Optimux-XLT1

CBL-MP-RJ45/STR Straight cable for balanced E1/T1 connection

CBL-MP-RJ45/CROSS Cross cable for balanced E1/T1 connection

CBL-ETH/UTP/STR Straight cable for LAN connection

CBL-ETH/UTP/CROSS Cross cable for LAN connection

Configuration Cable

CBL-DB25-EYN251 Cross cable for connecting V.24 DTE supervisory port to terminal

Optimux-XLE1/16

CBL-MP-RJ45/STR Straight cable for balanced E1/T1 connection

CBL-MP-RJ45/CROSS Cross cable for balanced E1/T1 connection

CBL-BNC/BNC Coax cable for unbalanced E1 connection

CBL-ETH/UTP/STR Straight cable for LAN connection

CBL-ETH/UTP/CROSS Cross cable for LAN connection

Configuration Cable

CBL-DB25-EYN251 Cross cable for connecting V.24 DTE supervisory port to terminal

IMX-2

CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-SCS26/SCS26/M	Straight cable for connecting two SCSI-26 ports

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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IMX-6L

CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-SCS26/V24	Adapter cable for connecting SCSI-26 ports to V.24 equipment
CBL-SCS26/SCS26/M	Straight cable for connecting two SCSI-26 ports

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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IMX-64

CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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R-STM-1E

CBL-R-STM-1	Cable for connecting alarm equipment
CBL-R-STM-1/ALM	Adapter cable for the SDH 42 × E1 module

Configuration Cables

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-SP-9	Straight cable with one male and two female DB-9 connectors

PRBi-E3, PRBi-T3

Configuration Cable

CBL-DB25/9-EYN250 Cross cable for connecting V.24 DTE supervisory port to terminal

Last Mile Access and Intelligent Baseband Modems

LRS-24	ASMi-24	HTU-2	FOM-20	AMC-1
ASM-10/8	ASMi-31	HCD-4	FOM-40	AMC-101
ASM-11	ASMi-31CQ	HCD-E1	FOMi-40	AMC-102
ASM-20	ASMi-50	HCD-E1/2W	FOMi-E3	ARC-101
ASM-24	ASMi-51		FOMi-T3	
ASM-31	ASMi-51CQ		MTM-15	
ASM-32			MTM-20	
ASM-40			MTMi-20	
ASM-40CD				
ASM-45				

LRS-24

Configuration Cables

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-SP-9	Straight cable with one male and two female DB-9 connectors

ASM-10/8

CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment

ASM-11

CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment

ASM-20

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASM-24

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASM-31

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASM-32

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASM-40

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-ASM40/P	Splitter cable for remote power feeding of repeaters

ASM-40CD

CBL-SCS26/V24	Adapter cable for connecting SCSI-26 port to V.24 equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 port to RS-530 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 port to V.35 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 port to V.36 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 port to X.21 equipment

ASM-45

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment

ASMi-24

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASMi-31

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASMi-31CQ

CBL-CQ-RS530	Adapter cable for connecting SCSI-68 ports to RS-530 equipment
CBL-CQ-V35	Adapter cable for connecting SCSI-68 ports to V.35 equipment
CBL-CQ-X21	Adapter cable for connecting SCSI-68 ports to X.21 equipment

ASMi-50

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

ASMi-51

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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ASMi-51CQ

CBL-CQ-RS530	Adapter cable for connecting SCSI-68 ports to RS-530 equipment
CBL-CQ-V35	Adapter cable for connecting SCSI-68 ports to V.35 equipment
CBL-CQ-X21	Adapter cable for connecting SCSI-68 ports to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36

HTU-2

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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HCD-4

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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HCD-E1, HCD-E1/2W

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-HS2X1	Adapter cable for connecting ports with DCE timing to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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FOM-20

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

FOM-40

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

FOMi-40

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

FOMi-E3, FOMi-T3

Configuration Cable

CBL-DB25/9-EYN250 Cross cable for connecting a V.24 DTE supervisory port to a terminal

MTM-15

CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment

MTM-20

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

MTMi-20

CBL-HBT/530	Straight cable for connecting to RS-530 equipment
CBL-HBT/V24	Straight cable for connecting to V.24 equipment
CBL-HBT/V35	Straight cable for connecting to V.35 equipment
CBL-HBT/X21	Straight cable for connecting to X.21 equipment
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-V24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

AMC-1

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

AMC-101

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MP-28	Coaxial cable for unbalanced interface

AMC-102

CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MP-28	Coaxial cable for unbalanced interface

ARC-101

CBL-MP-RJ45/STR	Straight cable for LAN connection
CBL-MP-RJ45/CROSS	Cross cable for LAN connection
CBL-MP-28	Coaxial cable for unbalanced interface

ATM Access Devices

ACE-50

ACE-101

ACE-2002

ACE-50

CBL-MP-28

Coaxial cable

Configuration Cable

CBL-SP-9

Straight cable with one male and two female DB-9 connectors

ACE-101

System

LAN Modules

UNI Modules

CES Modules

**Frame Forwarding
Modules**

ACE-101

System

CBL-DC-3WL/F Cable for DC power connection

Configuration Cables

CBL-RJ45/D25 Straight cable with RJ-45 and DB-25 male connectors

CBL-RJ45/DB9/NULL Cross cable with RJ-45 and DB-9 male connectors

ACE-101

LAN Modules

CBL-ETH/UTP/STR Straight cable for LAN connection

CBL-ETH/UTP/CROSS Cross cable for LAN connection

ACE-101

UNI Modules

CBL-MP-28	Coaxial cable
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-ATM/STR	Straight cable for connecting to ATM equipment
CBL-ATM/CROSS	Cross cable for connecting to ATM equipment

ACE-101

CES Modules

CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-MINIBNC-BNC	Adapter cable converting between mini BNC and regular BNC connectors

ACE-101

Frame Forwarding Modules

CBL-4HDLC-DCE-X21	Splitter cable for connecting to HDLC equipment with X.21 interface
CBL-4HDLC-DCE-V35	Splitter cable for connecting to HDLC equipment with V.35 interface
CBL-4HDLC-DCE-530	Splitter cable for connecting to HDLC equipment with V.35 interface

ACE-2002

System

LAN Modules

UNI Modules

CES Modules

ACE-2002

System

Configuration Cables

CBL-DB9/DB9/NULL Cross cable with two DB-9 female connectors

CBL-DB25/9-EYN250 Configuration cable for connecting a DTE supervisory port to a terminal

ACE-2002

LAN Modules

CBL-ETH/UTP/STR Straight cable for LAN connection

CBL-ETH/UTP/CROSS Cross cable for LAN connection

ACE-2002

UNI Modules

CBL-MP-28	Coaxial cable
CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-ATM/STR	Straight cable for connecting to ATM equipment
CBL-ATM/CROSS	Cross cable for connecting to ATM equipment

ACE-2002

CES Modules

CBL-MP-RJ45/STR	Straight cable for balanced E1/T1 connection
CBL-MP-RJ45/CROSS	Cross cable for balanced E1/T1 connection
CBL-MINIBNC-BNC	Adapter cable converting between mini BNC and regular BNC connectors

Integrated Access Devices

LA-240

LA-240

CBL-530/V35	Adapter cable for converting between RS-530 and V.35 interfaces
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-530T/21C	Adapter cable for connecting RS-530 DTE and X.21 DCE

Configuration Cable

CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
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TDM over IP

IPmux-1

IPmux-4

IPmux-16

IPmux-1

CBL-MINIBNC-BNC Adapter cable converting between mini BNC and regular BNC connectors

Configuration Cable

CBL-SP-9 Straight cable with one male and two female DB-9 connectors

IPmux-4

CBL-MINIBNC-BNC Adapter cable converting between mini BNC and regular BNC connectors

CBL-DC-3WL/F Cable for DC power connection

Configuration Cable

CBL-RJ45/DB9/NULL Cross cable with male RJ-45 and DB-9 connectors

IPmux-16

CBL-MINIBNC-BNC Adapter cable converting between mini BNC and regular BNC connectors

CBL-DC-3WL/F Cable for DC power connection

Configuration Cable

CBL-RJ45/DB9/NULL Cross cable with male RJ-45 and DB-9 connectors

Compressed Voice and Voice/Data Integration

Kilomux

MAXcess-30

RSC-2100

DV-MUX3

MAXcess-300

MAXcess-3000/3004

Kilomux

KCL.2	KLS.1	KVF.4
KML.1	KHS.1	KVF.5
KML.2	KHS.2	KVF.6
KML.3	KVC.1, KVC.1M	KVF.8
KML.4	KVC.3	
KML.5	KMBE	
KML.7	KHS.U	
KML.8	KM-Ringer	
KML.10		

Kilomux

KCL.2

CBL-FANI Cable for an external fan connection

Configuration Cables

CBL-ETH/UTP/STR Straight cable for LAN connection

CBL-ETH/UTP/CROSS Cross cable for LAN connection

CBL-SP-9 Straight cable with one male and two female DB-9 connectors

Kilomux

KML.1

CBL-530T/V35	Adapter cable for connecting RS-530 DTE to V.35 DCE
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-V35/CRO/1.5FFR	Cross cable for V.35 interface, two female connectors, 1.5m
CBL-V35/CRO/1.5MMR	Cross cable for V.35 interface, two male connectors, 1.5m
CBL-V35/CRO/1.5MR	Cross cable for V.35 interface, one male one female connectors, 1.5m
CBL-V35/CROSS	Cross cable for V.35 interface, one male one female connectors
CBL-V35/CROSS/R	Cross cable for V.35 interface, one male one female connectors
CBL-V35/CRO/1.5/FF	Cross cable for V.35 interface, two female connectors, 1.5m
CBL-V35/CRO/1.5/MM	Cross cable for V.35 interface, two male connectors, 1.5m
CBL-V35F/V35M	Straight cable for V.35 interface, one male one female connectors
CBL-V35F/V35M/20M	Straight cable for V.35 interface, one male one female connectors, 20m
CBL-V35F/V35M/5M	Straight cable for V.35 interface, one male one female connectors, 5m
CBL-V35M/V35M	Straight cable for V.35 interface, two male connectors
CBL-HS1/V.35/CROSS	Cross cable for V.35 interface, two male connectors
CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-KML.1/CROSS/MM	Cross cable for connecting two KML.1 modules
CBL-V.35/CVS/STR	Straight cable for connecting CVS to DHS
CBL-8H	Adapter cable with DB-25 male and 34-pin male or female connectors

Kilomux

KML.2

CBL-V24/CROSS	Cross cable for connecting to the V.24 interface
CBL-KML.2/CROSS/MM	Cross cable for connecting two KML.2 modules

Kilomux

KML.3

CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-530/CVS/STR	Straight cable for connecting KML.3 to DHS
CBL-HS1/530/CROSS	Cross cable for connecting to the RS-530 interface
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment
CBL-KML.3/CROSS/MM	Cross cable for connecting two KML.3 modules
CBL-8H	Adapter cable with DB-25 male and 34-pin male or female connectors

Kilomux

KML.4

CBL-HBT/X21	Straight cable for connecting to the X.21 interface
CBL-HS1/X21/CROSS	Cross cable for connecting to the X.21 interface
CBL-KML.4/CROSS/MM	Cross cable for connecting two KML.4 modules
CBL-ISDN-S	Cable for connecting to ISDN equipment

Kilomux

KML.5, KML.7, KML.8

CBL-MP-RJ45/CROSS Cross cable for connecting E1/T1 balanced interface to the user equipment

Kilomux

KML.10

CBL-ISDN-S Cable for connecting to ISDN equipment

Kilomux

KLS.1

CBL-V24/CROSS	Cross cable for connecting to the V.24 equipment
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment

Kilomux

KHS.1

CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-V24/CROSS	Cross cable for connecting to the V.24 equipment
CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-HBT/V35	Straight cable for connecting to the V.35equipment
CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment

Kilomux

KHS.2

CBL-HBT/530	Straight cable for connecting to the RS-530 equipment
CBL-V24/CROSS	Cross cable for connecting to the V.24 equipment
CBL-HS2V1	Adapter cable for connecting ports with DCE timing to V.35 equipment
CBL-HS2V2	Adapter cable for connecting ports with DTE1 timing to V.35 equipment
CBL-HS2V3	Adapter cable for connecting ports with DTE timing to V.35 equipment
CBL-HS2R1	Adapter cable for connecting ports with DCE timing to V.36 equipment
CBL-HS2R2	Adapter cable for connecting ports with DTE1 timing to V.36 equipment
CBL-HS2R3	Adapter cable for connecting ports with DTE timing to V.36 equipment

Kilomux

KVC.1, KVC.1M

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector

Kilomux

KVC.3

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector

Kilomux

KVF.4

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector

Kilomux

KVF.5

CBL-KVF5/EXP

Expansion cable

CBL-MP-RJ45/CROSS

Cross cable for connecting E1/T1 balanced interface to the user equipment

Kilomux

KVF.6

CBL-KVF6/8-DL	Cable for downloading software upgrades
CBL-MP-RJ45/CROSS	Cross cable for connecting E1/T1 balanced interface to the user equipment

Kilomux

KVF.8

CBL-KVF6/8-DL	Cable for downloading software upgrades
CBL-KVF8/E&M	Splitter cable for modules with E&M interface
CBL-KVF8/FXOS	Splitter cable for modules with FXO or FXS interfaces
CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector

Kilomux

KMBE

CBL-RJ45/D25 Straight cable with RJ-45 male and DB-25 male or female connectors

Kilomux

KHS.U

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector

Kilomux

KM-Ringer

CBL-RINGER-1	Cable for connecting a Ringer DC-output connector to a single module
CBL-RINGER-2	Cable for connecting a Ringer DC-output connector to up to 2 modules
CBL-RINGER-4	Cable for connecting a Ringer DC-output connector to up to 4 modules
CBL-RINGER-6	Cable for connecting a Ringer DC-output connector to up to 6 modules
CBL-RINGER2200-1	Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector

DV-MUX3

CBL-DV-MUX/232	Adapter cable for connecting to V.24 equipment
CBL-DV-MUX/V.35	Adapter cable for connecting to V.35 equipment
CBL-KM-22/530	Adapter cable for connecting to RS-530 equipment
CBL-KM-22/449	Adapter cable for connecting to V.36 equipment

MAXcess-30

CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-SCS26/V24	Adapter cable for connecting SCSI-26 ports to V.24 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/SCS26/M	Straight cable for connecting two SCSI-26 ports
CBL-SCS26/CROSS	Cross cable for connecting two SCSI-26 ports
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MX/V.24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/V.35/CROSS	Cross cable for connecting to V.35 equipment
CBL-ISDN-S	Cable for connecting to ISDN equipment

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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MAXcess-300

CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-SCS26/V24	Adapter cable for connecting SCSI-26 ports to V.24 equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/SCS26/M	Straight cable for connecting two SCSI-26 ports
CBL-SCS26/CROSS	Cross cable for connecting two SCSI-26 ports
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
CBL-MX/V.24/CROSS	Cross cable for connecting to V.24 equipment
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/V.35/CROSS	Cross cable for connecting to V.35 equipment
CBL-ISDN-S	Cable for connecting to ISDN equipment

Configuration Cable

CBL-SP-9	Straight cable with one male and two female DB-9 connectors
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MAXcess-3000/3004

MCL	MVC-4E1
MLS-3, MLS-6	MHS-E1
MHS-1	MHS-PRI/E1
MHS-2	MHS-S
MHS-3	MHS-U
MHS-4	
MHS-E1-HS	

MAXcess-3000/3004

MCL

Configuration Cable

CBL-SP-9 Straight cable with one male and two female DB-9 connectors

MAXcess-3000/3004

MLS-3, MLS-6

CBL-SCS26/V24	Adapter cable for connecting SCSI-26 ports to V.24 equipment
CBL-SCS26/CROSS	Cross cable for connecting two SCSI-26 ports
CBL-MX/V.24/CROSS	Cross cable for connecting to V.24 equipment

MAXcess-3000/3004

MHS-1

CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-V35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/530/CROSS	Cross cable for connecting to RS-530 equipment
CBL-HS1/V.35/CROSS	Cross cable for connecting to V.35 equipment
CBL-HS1/X21/CROSS	Cross cable for connecting to X.21 equipment

MAXcess-3000/3004

MHS-2, MHS-3, MHS-4, MHS-E1-HS

CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to V.35 equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to V.36 equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to X.21 equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to RS-530 equipment
CBL-SCS26/SCS26/M	Straight cable for connecting two SCSI-26 ports

MAXcess-3000/3004

MVC-4E1, MHS-E1, MHS-PRI/E1

CBL-MP-RJ45/CROSS Cross cable for connecting E1/T1 balanced interface to the user equipment

MAXcess-3000/3004

MHS-S, MHS-U

CBL-ISDN-S Cable for connecting to ISDN equipment

RSC-2100

CBL-DB15/DB15	Straight cable for connecting E1/T1 ports to the user equipment
CBL-DB15/DB15/M/X	Cross cable for connecting E1/T1 ports to the user equipment
CBL-RJ45/DB15/M/X	Cross cable for connecting E1/T1 ports to the user equipment

Rate and Interface Converters

RIC-E1

RIC-E1 OLD

SPD-703

RIC-T1

RIC-T1 OLD

RIC-E1

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-HBT/V35	Straight cable for V.35 interface
CBL-HBT/X21	Straight cable for X.21 interface

RIC-T1

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-HBT/V35	Straight cable for V.35 interface
CBL-HBT/X21	Straight cable for X.21 interface

RIC-E1 OLD

CBL-SCS26/V24	Adapter cable for connecting SCSI-26 ports to the V.24 interface equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to the V.35 interface equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to the V.36 interface equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to the X.21 interface equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to the RS-530 interface equipment

RIC-T1 OLD

CBL-SCS26/V24	Adapter cable for connecting SCSI-26 ports to the V.24 interface equipment
CBL-SCS26/V35	Adapter cable for connecting SCSI-26 ports to the V.35 interface equipment
CBL-SCS26/V36	Adapter cable for connecting SCSI-26 ports to the V.36 interface equipment
CBL-SCS26/X21	Adapter cable for connecting SCSI-26 ports to the X.21 interface equipment
CBL-SCS26/530	Adapter cable for connecting SCSI-26 ports to the RS-530 interface equipment

SPD-703

CBL-SPD703/V.35T	Adapter cable for connection to DTEs with V.35 interfaces
CBL-SPD703/V.35C	Adapter cable for connection to DCEs with V.35 interfaces
CBL-SPD703/530T	Adapter cable for connection to DTEs with RS-530 interfaces
CBL-SPD703/530C	Adapter cable for connection to DCEs with RS-530 interfaces
CBL-SPD703/V36T	Adapter cable for connection to DTEs with V.36 interfaces
CBL-SPD703/V36C	Adapter cable for connection to DCEs with V.36 interfaces
CBL-SPD703/X21T	Adapter cable for connection to DTEs with X.21 interfaces

Miniature and Short Range Modems

SRM-3A	SRM-5S	FOM-4SF
SRM-3D	SRM-6S	FOM-5A
SRM-31A	SRM-5SC	FOM-6A
SRM-31S	SRM-6SC	FOM-6AV
SRM-5A	SRM-5SX	FOM-6MP
SRM-6A	SRM-6SX	FOM-5S
SRM-5AC	SRM-5TX	FOM-6S
SRM-6AC	SRM-6TX	FOM-8
SRM-6AV	SRM-6V	FOM-8H
SRM-5D	SRM-8	FOM-9
SRM-6D	SRM-8H	
SRM-6DC	SRM-8V	
SRM-6FC	SRM-9	

SRM-3A

CBL-HBT/V24 Straight cable for V.24 interface

SRM-3D

CBL-HBT/V24 Straight cable for V.24 interface

SRM-31A

CBL-HBT/V24 Straight cable for V.24 interface

SRM-31S

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-8H/X21	Adapter cable, converting between DB-25 and DB-15 connectors

SRM-5A

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6A

CBL-HBT/V24 Straight cable for V.24 interface

SRM-5AC

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6AC

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6AV

CBL-HBT/V24 Straight cable for V.24 interface

SRM-5D

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6D

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6DC

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6FC

CBL-HBT/V24 Straight cable for V.24 interface

SRM-5S

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6S

CBL-HBT/V24 Straight cable for V.24 interface

SRM-5SC

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6SC

CBL-HBT/V24 Straight cable for V.24 interface

SRM-5SX

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6SX

CBL-HBT/V24 Straight cable for V.24 interface

SRM-5TX

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6TX

CBL-HBT/V24 Straight cable for V.24 interface

SRM-6V

CBL-HBT/V24 Straight cable for V.24 interface

SRM-8

CBL-HBT/V24 Straight cable for V.24 interface

SRM-8H

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-8H/X21	Adapter cable, converting between DB-25 and DB-15 connectors

SRM-8V

CBL-HBT/V24 Straight cable for V.24 interface

SRM-9

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-8H/X21	Adapter cable, converting between DB-25 and DB-15 connectors

FOM-4SF

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-4SF/X.21/F	Adapter cable, converting between DB-25 and DB-15 connectors

FOM-5A

CBL-HBT/V24 Straight cable for V.24 interface

FOM-6A

CBL-HBT/V24 Straight cable for V.24 interface

FOM-6AV

CBL-HBT/V24 Straight cable for V.24 interface

FOM-6MP

CBL-HBT/V24 Straight cable for V.24 interface

FOM-5S

CBL-HBT/V24 Straight cable for V.24 interface

FOM-6S

CBL-HBT/V24 Straight cable for V.24 interface

FOM-8

CBL-HBT/V24 Straight cable for V.24 interface

FOM-8H

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-8H/X21	Adapter cable, converting between DB-25 and DB-15 connectors

FOM-9

CBL-HBT/V24	Straight cable for V.24 interface
CBL-HBT/530	Straight cable for RS-530 interface
CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-8H/X21	Adapter cable, converting between DB-25 and DB-15 connectors

Ethernet Access and LAN Connectivity

TinyRouter	WEB RANger-II	MBE-RAS	TRE16-1
TinyBridge	WEB RANger	MBE-RAS/A	TRE16-8
		MBE10-1	
		MBE10-8	

TinyRouter

CBL-TINY-B/R-X21	Adapter cable for connecting WAN interface to X.21 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.35 interfaces
CBL-530T/V35	Adapter cable for connecting RS-530 DTE to V.35 DCE

TinyBridge

CBL-TINY-B/R-X21	Adapter cable for connecting WAN interface to X.21 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.35 interfaces
CBL-530T/V35	Adapter cable for connecting RS-530 DTE to V.35 DCE

WEB RANger-II

CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-ISDN-S	Cable for connecting to ISDN equipment

Configuration Cable

CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
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WEB RANger

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-ISDN-S	Cable for connecting to ISDN equipment

Configuration Cable

CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
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MBE-RAS

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25	Adapter cable with male RJ-45 and female DB-25 connectors
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MBE-RAS/A

Configuration Cable

CBL-RJ45/D25

Adapter cable with male RJ-45 and female DB-25 connectors

MBE10-1

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25	Adapter cable with male RJ-45 and female DB-25 connectors
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MBE10-8

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25	Adapter cable with male RJ-45 and female DB-25 connectors
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TRE16-1

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25	Adapter cable with male RJ-45 and female DB-25 connectors
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TRE16-8

CBL-530/V35	Adapter cable for connecting RS-530 to V.35
CBL-530/449	Adapter cable for connecting RS-530 to V.36
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25	Adapter cable with male RJ-45 and female DB-25 connectors
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Packet Switching Equipment and Statistical Multiplexers

FPS-8	APS-8	SPS-2	STM-4
APD-2	APS-16	SPS-3S	STM-8
APD-8	APS-24	SPS-6	STM-16
	APS-10/Siemens	SPS-12	STM-24
		SPS-2HS	
		SPS-3HS	

FPS-8

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25	Straight cable with male RJ-45 and DB-25 connectors
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APD-2

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors
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APD-8

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors
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APS-8

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
Configuration Cable	
CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors

APS-16

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
Configuration Cable	
CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors

APS-24

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
Configuration Cable	
CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors

APS-10/Siemens

CBL-RJ45-D25/F/SI Cable with RJ-45 male and DB-25 female connectors

SPS-2

CBL-SPS-CD Splitter cable with one DB-25 female and two DB-25 male connectors

SPS-3S

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors
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SPS-6

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection

Configuration Cable

CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors
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SPS-12

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-V.35/V.35	Straight cable for connecting to V.35 equipment
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-RJ45/D9/M/CRS	Cross cable with RJ-45 male and DB-9 male connectors
CBL-RJ45/D9/M/STR	Straight cable with RJ-45 male and DB-9 male connectors
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE
CBL-RJ45/D9/F/6FT	Adapter cable with male RJ-45 and female DB-9 connectors
CBL-ETH/UTP/STR	Straight cable for LAN connection
CBL-ETH/UTP/CROSS	Cross cable for LAN connection
Configuration Cable	
CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors

SPS-2HS, SPS-3HS

CBL-SPS-V.24	Splitter cable for ports with V.24 interface
CBL-SPS-V.35	Splitter cable for ports with V.35 interface
CBL-SPS-X.21	Splitter cable for ports with X.21 interface

STM-4, STM-8, STM-16, STM-24

CBL-8H	Adapter cable, converting between DB-25 and 34-pin connectors
CBL-530/449	Adapter cable for converting between RS-530 and V.36 interfaces
CBL-530T/21C	Adapter cable for connecting RS-530 DTE interface to X.21 DCE

Configuration Cable

CBL-RJ45/D25/STR	Straight cable with RJ-45 and DB-25 connectors
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CBL-RJ45/D9/F/6FT

Adapter cable with male RJ-45 and female DB-9 connectors. Cable length is 1.8m (6 ft).

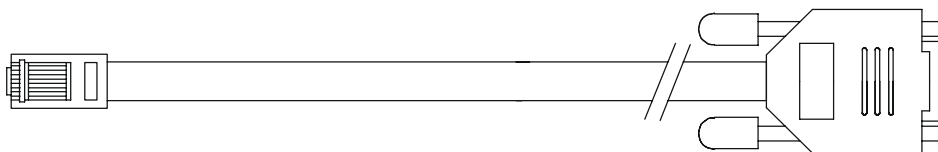


Figure 1. CBL-RJ45/D9/F/6FT Cable

Table 1. CBL-RJ45/D9/F/6FT Cable Pinout

RJ-45 Connector Pin	DB-9 Connector Pin
1	6
2	1
3	4
4	5
5	2
6	3
7	8
8	7

CBL-530/V35

Adapter cable for converting RS-530 interface to V.35 interface.
The CBL-530/V35 cable includes male DB-25 and 34-pin male or female connectors. The pinout of the male and female cables is the same.

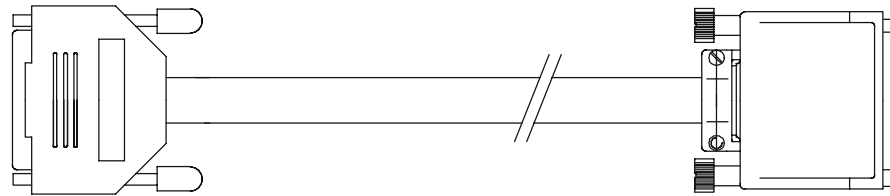


Figure 2. CBL-530/V35 Cable

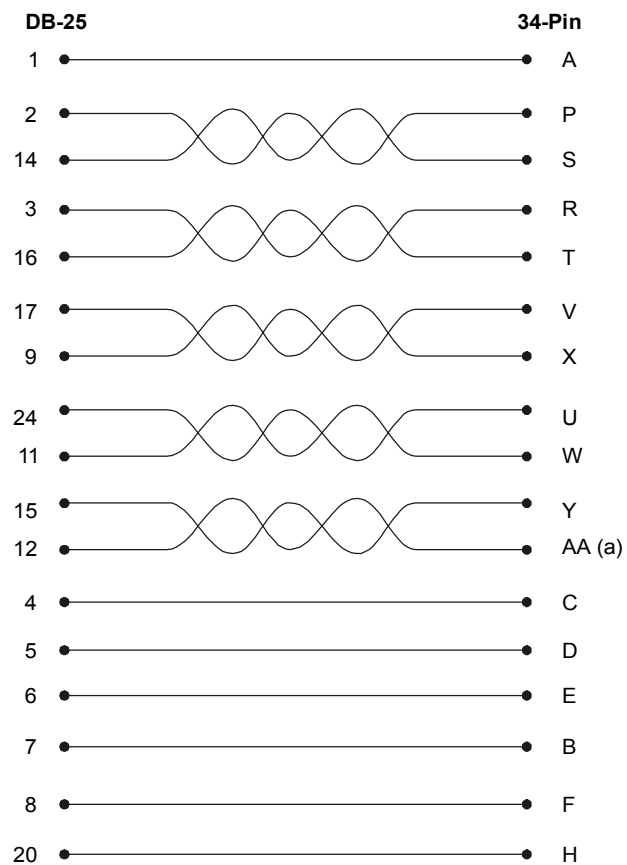


Figure 3. CBL-530/V35 Cable Pinout

CBL-530/449

Adapter cable for connecting RS-530 interface to V.36 interface.
The CBL-530/449 cable includes one DB-25 male and one DB-37 male or female connectors. The pinout of the male and female cables is the same.

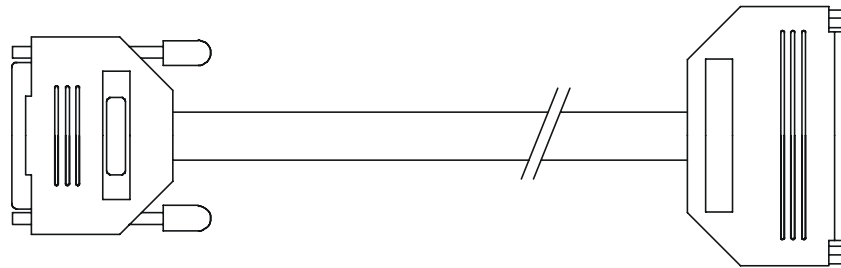


Figure 4. CBL-530/449 Cable

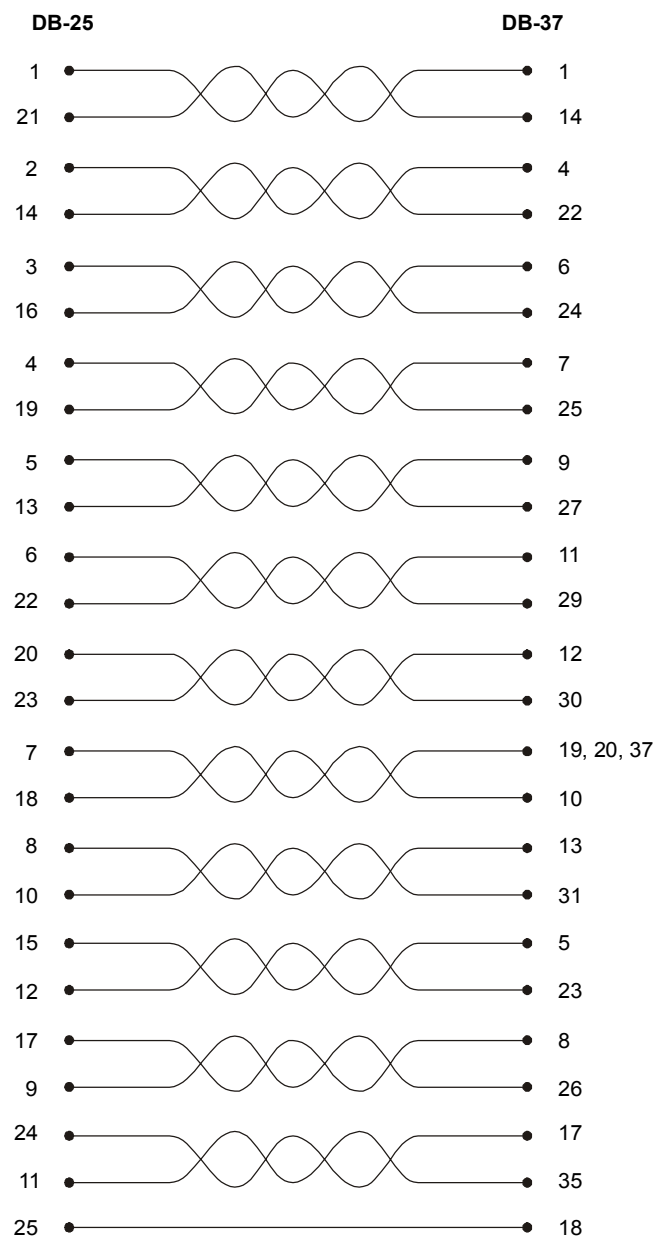


Figure 5. CBL-530/449 Cable Pinout

CBL-530T/21C

Adapter cable for connecting RS-530 DTE interface to X.21 DCE.
The CBL-530T/21C cable includes one DB-25 male and DB-15 male or female connectors. The pinout of the male and female cables is the same.

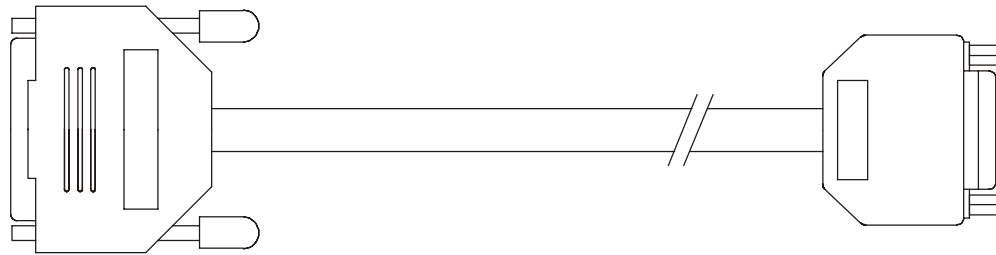


Figure 6. CBL-530T/21C Cable

Table 2. CBL-530T/21C Cable Pinout

DB-25 Connector Pin	DB-15 Connector Pin	
1	1	
7	8	
4, 5	3	Twisted
19, 13	10	
3	4	Twisted
16	11	
8	5	Twisted
10	12	
17	6	Twisted
9	13	
15	6	Twisted
12	13	
2	2	Twisted
14	9	

CBL-HBT/530

Straight cable for connecting to RS-530 equipment. The CBL-HBT/530 cable includes two DB-25 male connectors.

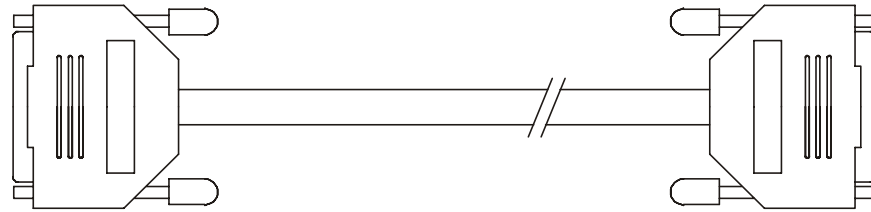


Figure 7. CBL-HBT/530 Cable

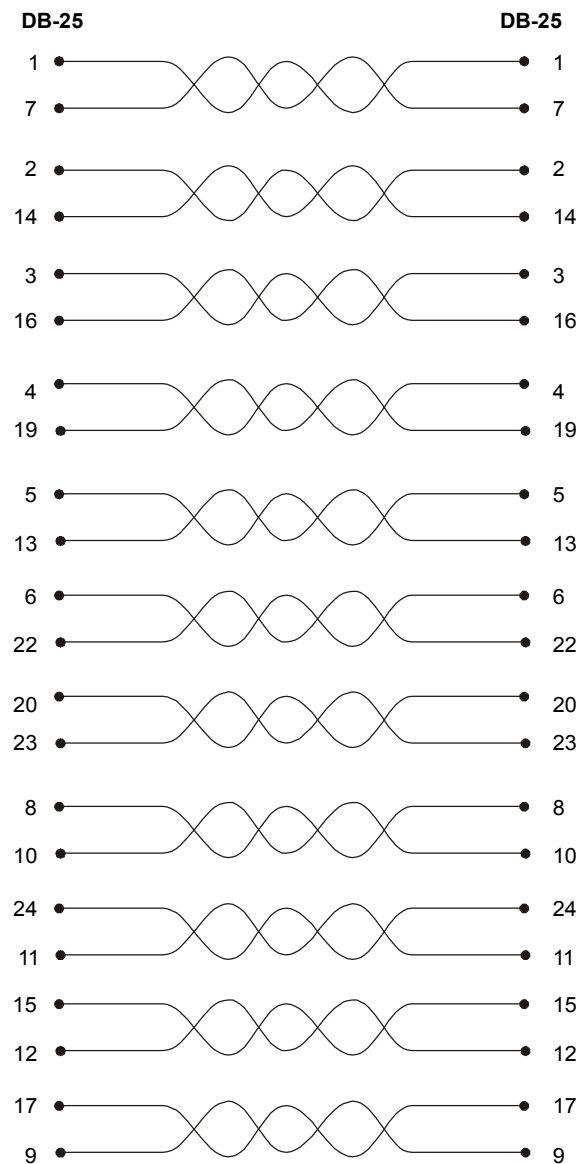


Figure 8. CBL-HBT/530 Cable Pinout

CBL-HBT/V35

Straight cable for connecting to the V.35 equipment. The CBL-HBT/V35 cable includes two male or female 34-pin connectors. The pinout of the male and female cables is the same.

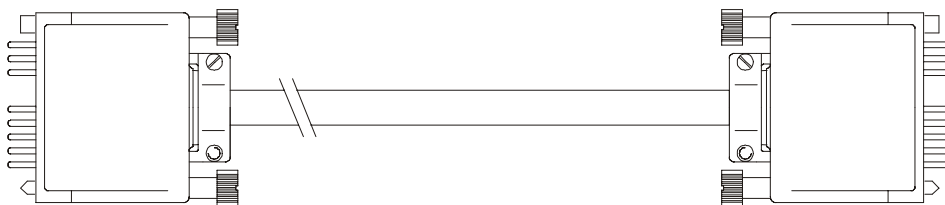


Figure 9. CBL-HBT/V35 Cable

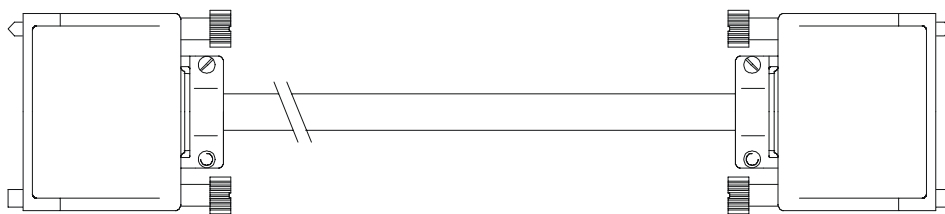


Figure 10. CBL-HBT/V35/F Cable

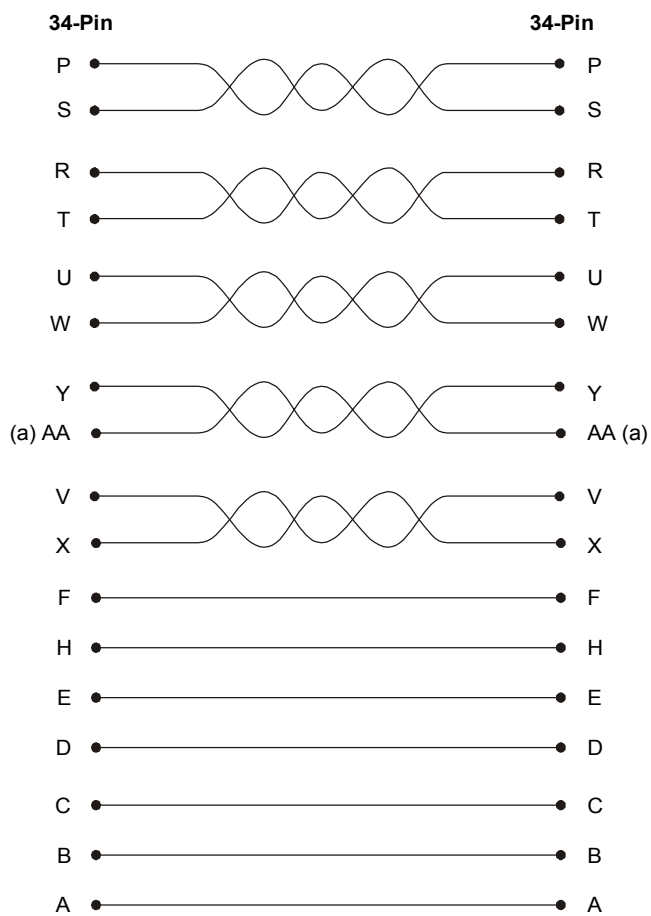


Figure 11. CBL-HBT/V35 Cable Pinout

CBL-HBT/X21

Straight cable for connecting to the X.21 equipment. The CBL-HBT/X21 cable includes one male DB-25 and one male DB-15 connector.

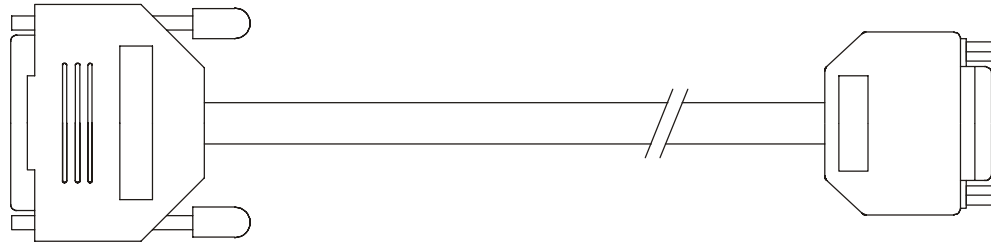


Figure 12. CBL-HBT/X21 Cable

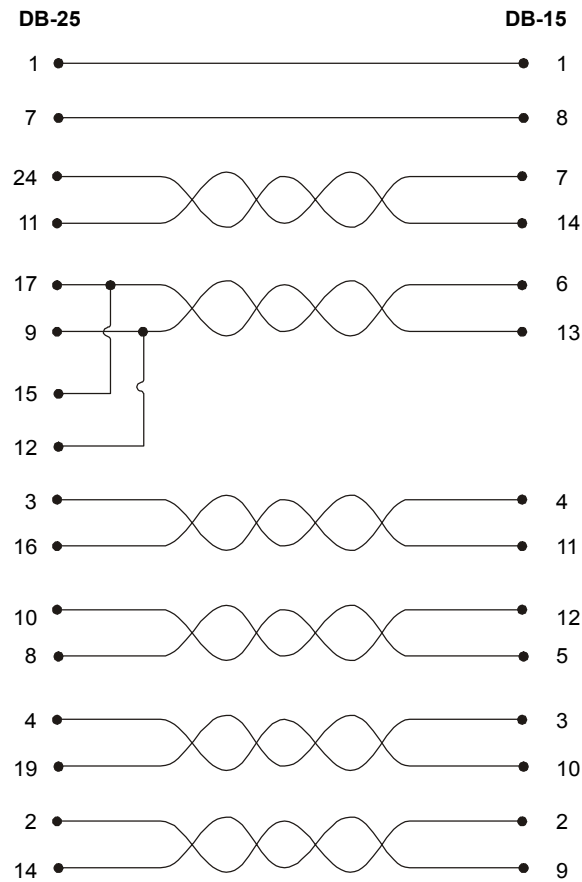


Figure 13. CBL-HBT/X21 Cable Pinout

CBL-HBT/V24

Straight cable for connecting to the V.24 equipment. The CBL-HBT/V24 cable includes one male and one female 25-pin connectors.

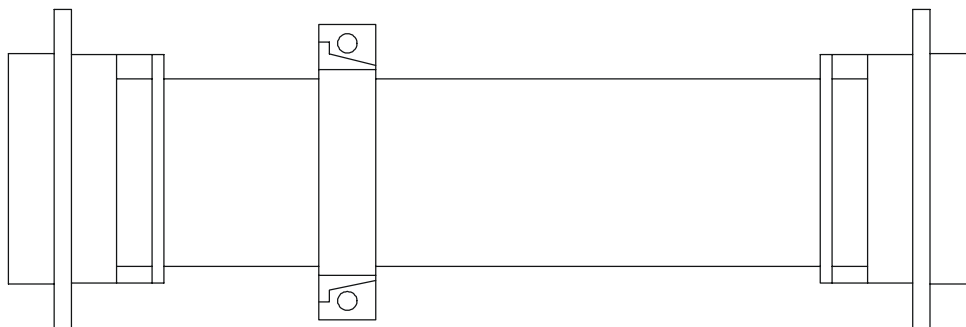


Figure 14. CBL-HBT/V24, Top View

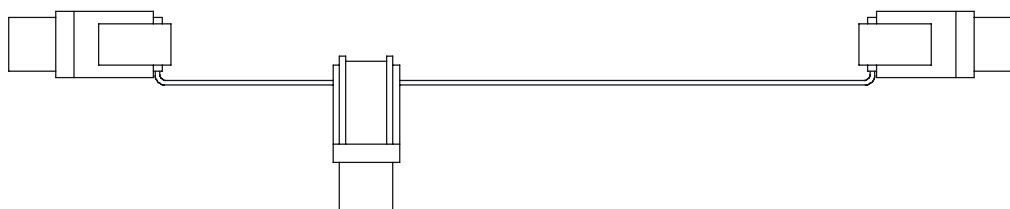


Figure 15. CBL-HBT/V24, Side View

CBL-MP-RJ45/STR

Straight cable for connecting E1/T1 balanced interface to the user equipment. The CBL-MP-RJ45/STR cable includes two male RJ-45 connectors.

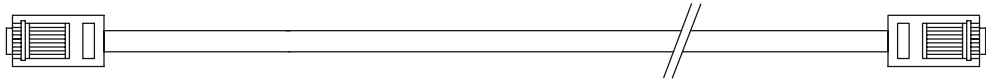


Figure 16. CBL-MP-RJ45/STR Cable

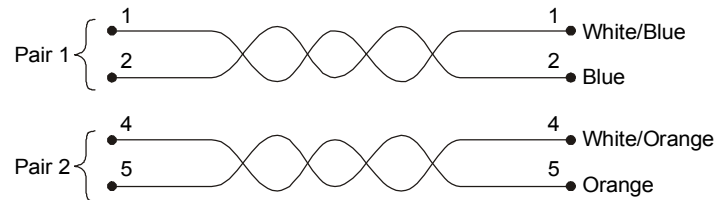


Figure 17. CBL-MP-RJ45/STR Cable Pinout

CBL-MP-RJ45/CROSS

Cross cable for connecting E1/T1 balanced interface to the user equipment. The CBL-MP-RJ45/CROSS cable includes two male RJ-45 connectors.



Figure 18. CBL-MP-RJ45/CROSS Cable

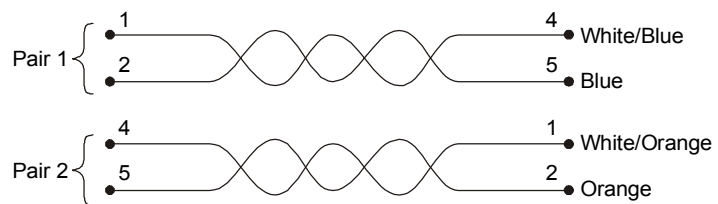


Figure 19. CBL-MP-RJ45/ CROSS Cable Pinout

CBL-BNC/BNC

Cable for connecting E1 unbalanced interface to the user equipment.



Figure 20. CBL-BNC/BNC Cable

CBL-MINIBNC-BNC

Cable for connecting E1 unbalanced interface with mini BNC connectors to the user equipment with regular BNC coaxial connectors.



Figure 21. CBL-MINIBNC-BNC Cable

CBL-ETH/UTP/STR

Straight cable for LAN connection.

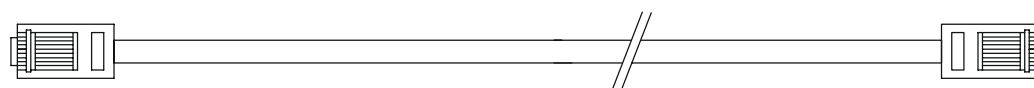


Figure 22. CBL-ETH/UTP/STR Cable

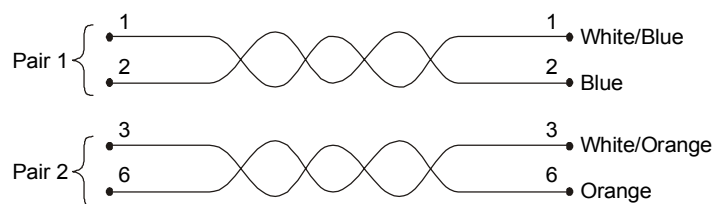


Figure 23. CBL-ETH/UTP/STR Cable Pinout

CBL-ETH/UTP/CROSS

Cross cable for LAN connection.

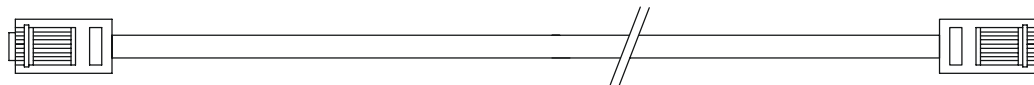


Figure 24. CBL-ETH/UTP/CROSS Cable

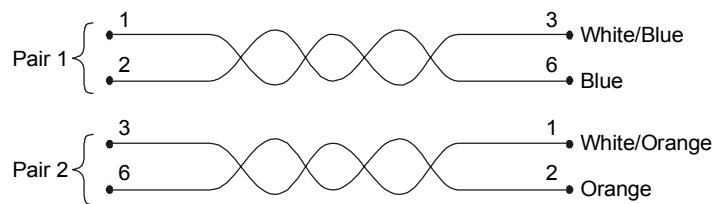


Figure 25. CBL-ETH/UTP/CROSS Cable Pinout

CBL-DB25/9-EYN250

Cross cable for connecting a supervisory port with V.24 DTE interface to a terminal. The CBL-DB25/9-EYN250 cable includes DB-25 female and DB-9 male connectors.

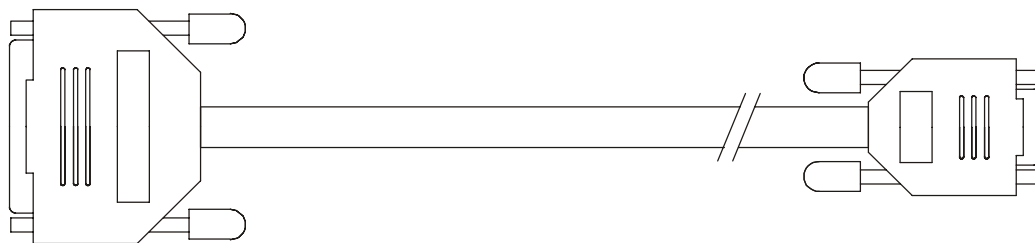


Figure 26. CBL-DB25/9-EYN250 Cable

Table 3. CBL-DB25/9-EYN250 Cable Pinout

DB-25 Connector Pin	DB-9 Connector Pin
3	3
2	2
4, 5	–
–	7, 8
7	5
6, 8, 20	–
–	6, 1, 4

CBL-DB25-EYN251

Cross cable for connecting a supervisory port with V.24 DTE interface to a terminal. The CBL-DB25-EYN251 cable includes DB-25 male and DB-25 female connectors.

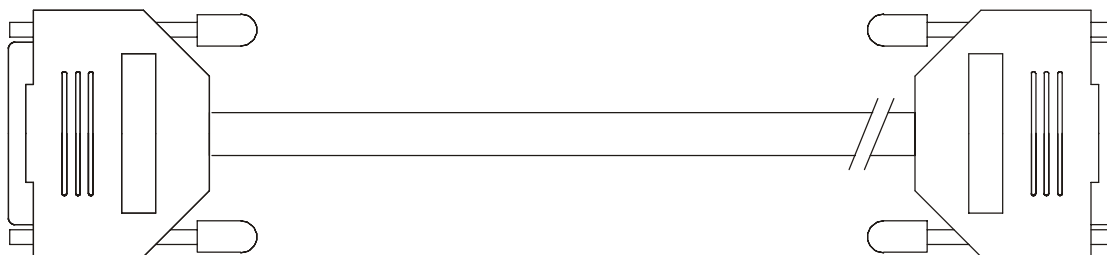


Figure 27. CBL-DB25-EYN251 Cable

Table 4. CBL-DB25-EYN251 Cable Pinout

DB-25 Connector Pin	DB-25 Connector Pin
3	2
2	3
4, 5	–
–	4, 5
7	7
1	1
6, 8, 20	–
–	6, 8, 20
12	11
11	12

CBL-MP-28

Coaxial cable.

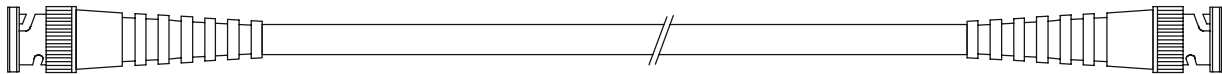


Figure 28. CBL-MP-28 Cable

CBL-OP-4E1C/RJ45

Adapter cable for connecting tributary Optimux-4E1C E1 balanced interface with SCSI connectors to the user equipment with RJ-45 connectors.

The CBL-OP-4E1C/RJ45 cable includes one male SCSI-26 connector and four RJ-45 connectors.

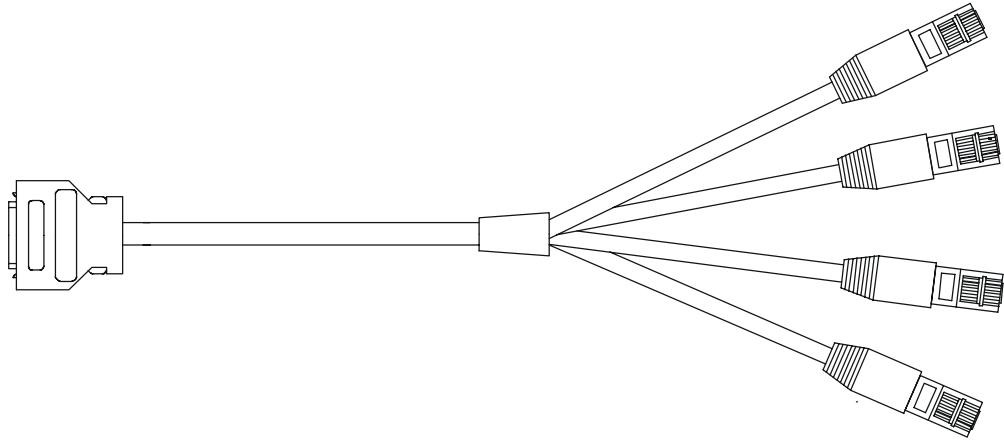


Figure 29. CBL-OP-4E1C/RJ45 Cable

Table 5. CBL-OP-4E1C/RJ45 Cable Pinout

	SCSI-26 Connector Pin	RJ-45 Connector Pin	
CH-1	1	5	Twisted
	2	4	
	14	1	Twisted
	15	2	
CH-2	4	5	Twisted
	5	4	
	17	1	Twisted
	18	2	
CH-3	9	1	Twisted
	10	2	
	22	5	Twisted
	23	4	
CH-4	12	1	Twisted
	13	2	
	25	5	Twisted
	26	4	

CBL-SCS26/530

Adapter cable for connecting SCSI-26 ports to the RS-530 interface equipment. The CBL-SCS26/530 cable includes one 26-pin SCSI male and one DB-25 male or female connectors. The pinout of the male and female cables is the same.

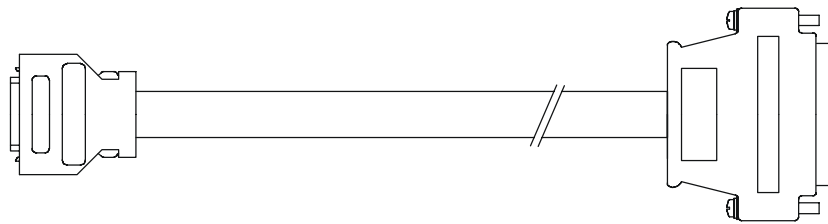


Figure 30. CBL-SCS26/530 Cable

Table 6. CBL-SCS26/530 Cable Pinout

SCSI-26 Connector Pin	DB-25 Connector Pin	
1	1	Twisted
26	–	
2	2	Twisted
14	14	
3	3	Twisted
16	16	
4	4	Twisted
19	19	
5	5	Twisted
13	13	
6	6	Twisted
22	22	
8	8	Twisted
10	10	
9	9	Twisted
17	17	
11	11	Twisted
24	24	
12	12	Twisted
15	15	
20	20	Twisted
23	23	

Table 6. CBL-SCS26/530 Cable Pinout (Cont.)

SCSI-26 Connector Pin	DB-25 Connector Pin	
18	18	} Twisted
21	21	
25	25	} Twisted
7	7	

CBL-SCS26/V35

Adapter cable for connecting SCSI-26 ports to the V.35 interface equipment. The CBL-SCS26/V35 cable includes one 26-pin SCSI male and one 34-pin V.35 male or female connectors. The pinout of the male and female cables is the same.

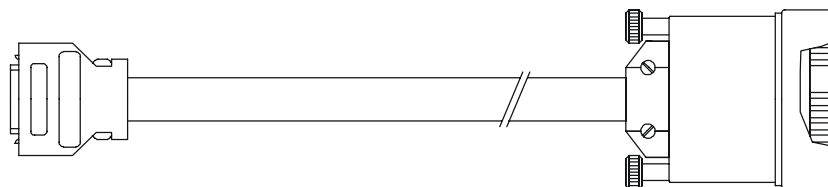


Figure 31. CBL-SCS26/V35/M Cable

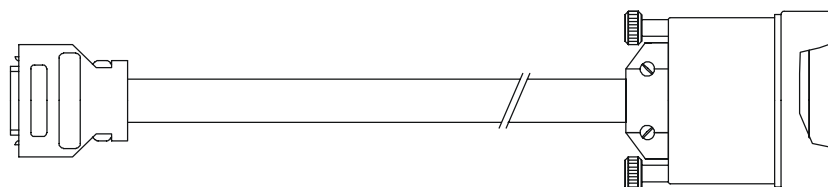


Figure 32. CBL-SCS26/V35/F Cable

Table 7. CBL-SCS26/V35 Cable Pinout

SCSI-26 Connector Pin	V.35 Connector Pin	
1	A	Twisted
26	—	
2	P	Twisted
14	S	
3	R	Twisted
16	T	
4	C	Twisted
19	—	
5	D	Twisted
13	—	
6	E	Twisted
22	J	
8	F	Twisted
10	—	
9	X	Twisted
17	V	

Table 7. CBL-SCS26/V35 Cable Pinout (Cont.)

SCSI-26 Connector Pin	V.35 Connector Pin	
11	W	Twisted
24	U	
12	AA	Twisted
15	Y	
20	H	Twisted
23	–	
18	JJ	Twisted
21	HH	
25	KK	Twisted
7	B	

CBL-SCS26/X21

Adapter cable for connecting SCSI-26 ports to the X.21 interface equipment. The CBL-SCS26/X21 cable includes one 26-pin SCSI male and one DB-15 male or female connectors. The pinout of the male and female cables is the same.

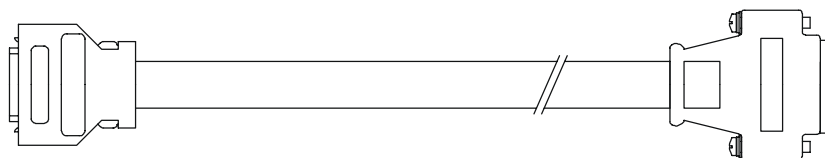


Figure 33. CBL-SCS26/X21 Cable

Table 8. CBL-SCS26/X21 Cable Pinout

SCSI-26 Connector Pin	DB-15 Connector Pin	
1	1	Twisted
26	–	
2	2	Twisted
14	9	
3	4	Twisted
16	11	
4	3	Twisted
19	10	
5	–	Twisted
13	–	
6	–	Twisted
22	–	
8	5	Twisted
10	12	
9	–	Twisted
17	–	
11	14	Twisted
24	7	
12	13	Twisted
15	6	
20	–	Twisted
23	–	

Table 8. CBL-SCS26/X21 Cable Pinout (Cont.)

SCSI-26 Connector Pin	DB-15 Connector Pin	
18	—	} Twisted
21	—	
25	—	} Twisted
7	8	

CBL-SCS26/V36

Adapter cable for connecting SCSI-26 ports to the V.36 interface equipment. The CBL-SCS26/V36 cable includes one 26-pin SCSI male and one DB-37 male or female connectors. The pinout of the male and female cables is the same.

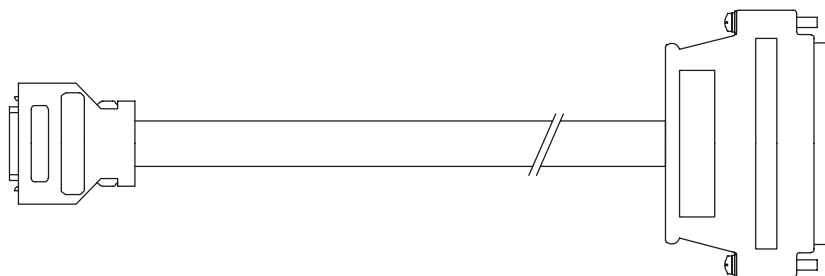


Figure 34. CBL-SCS26/V36 Cable

Table 9. CBL-SCS26/V36 Cable Pinout

SCSI-26 Connector Pin	DB-37 Connector Pin	
1	1	Twisted
26	–	
2	4	Twisted
14	22	
3	6	Twisted
16	24	
4	7	Twisted
19	25	
5	9	Twisted
13	27	
6	11	Twisted
22	29	
8	13	Twisted
10	31	
9	26	Twisted
17	8	
11	35	Twisted
24	17	
12	23	Twisted
15	5	

Table 9. CBL-SCS26/V36 Cable Pinout (Cont.)

SCSI-26 Connector Pin	DB-37 Connector Pin	
20	12	Twisted
23	30	
18	10	Twisted
21	14	
25	18	Twisted
7	19, 37, 20	

CBL-SCS26/V24

Adapter cable for connecting SCSI-26 ports to the V.24 interface equipment. The CBL-SCS26/V24 cable includes 26-pin SCSI male and DB-25 male or female connectors. The pinout of the male and female cables is the same.

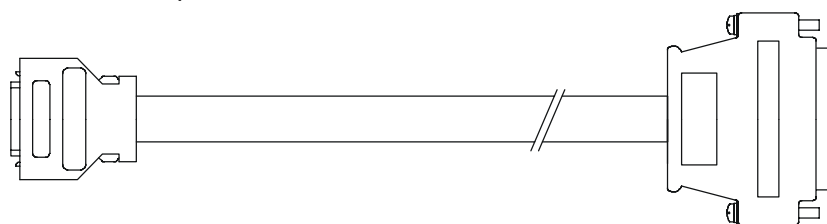


Figure 35. CBL-SCS26/V24 Cable

Table 10. CBL-SCS26/V24 Connector Pinout

SCSI-26 Connector Pin	DB-25 Connector Pin	
1	1	Twisted
26	–	
2	2	Twisted
14	14	
3	3	Twisted
16	16	
4	4	Twisted
19	19	
5	5	Twisted
13	13	
6	6	Twisted
22	22	
8	8	Twisted
10	10	
9	9	Twisted
17	17	
11	11	Twisted
24	24	
12	12	Twisted
15	15	
20	20	Twisted
23	23	
18	18	Twisted
21	21	
25	25	Twisted
7	7	

CBL-SCS26/SCS26/M

Straight cable for connecting two SCSI-26 ports. The CBL-SCS26/SCS26/M cable includes two male 26-pin SCSI connectors.

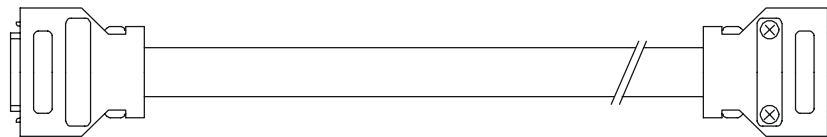


Figure 36. CBL-SCS26/SCS26/M Cable

Table 11. CBL-SCS26/SCS26/M Cable Pinout

SCSI-26 Connector Pin	SCSI-26 Connector Pin	
1	1	Twisted
26	26	
2	2	Twisted
14	14	
3	3	Twisted
16	16	
4	4	Twisted
19	19	
5	5	Twisted
13	13	
6	6	Twisted
22	22	
8	8	Twisted
10	10	
9	9	Twisted
17	17	
11	11	Twisted
24	24	
12	12	Twisted
15	15	
18	18	Twisted
21	21	
20	20	Twisted
23	23	
25	25	Twisted
7	7	

CBL-SCS26/CROSS

Cross cable for connecting two SCSI-26 ports. The CBL-SCS26/CROSS cable includes two male 26-pin SCSI connectors.

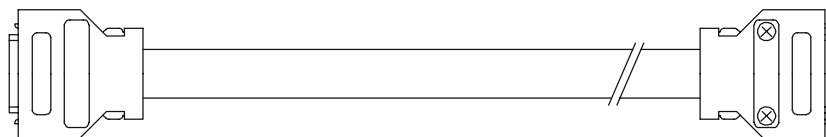


Figure 37. CBL-SCS26/CROSS Cable

Table 12. CBL-SCS26/CROSS Cable Pinout

SCSI-26 Connector Pin	SCSI-26 Connector Pin	
1	1	Twisted
2	3	
3	2	Twisted
4	8	
6	20	Twisted
7	7	
8	4	Twisted
11	15	
15	11	Twisted
17	24	
24	17	Twisted
20	6	

CBL-FANI

Cable for an external fan connection. The CBL-FANI cable includes two RJ-12 connectors.



Figure 38. CBL-FANI Cable

Table 13. CBL-FANI Cable Pinout

RJ-12 Connector Pin	RJ-12 Connector Pin
1	1
5	5
6	6

CBL-530T/V35

Adapter cable for connecting an RS-530 DTE to V.35 DCE. The CBL-530T/V35 cable includes DB-25 male and 34-pin male or female connectors. The pinout of the male and female cables is the same.

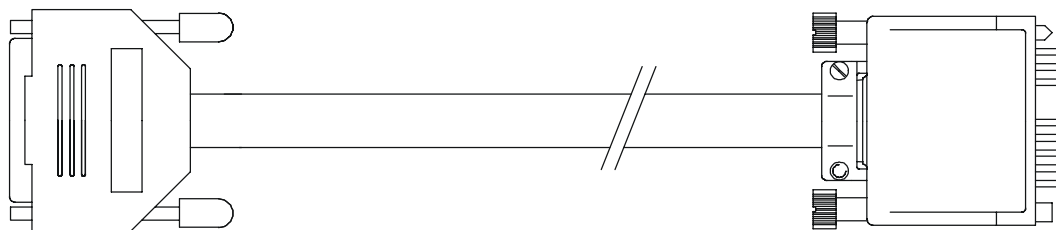


Figure 39. CBL-530T/V35/M Cable

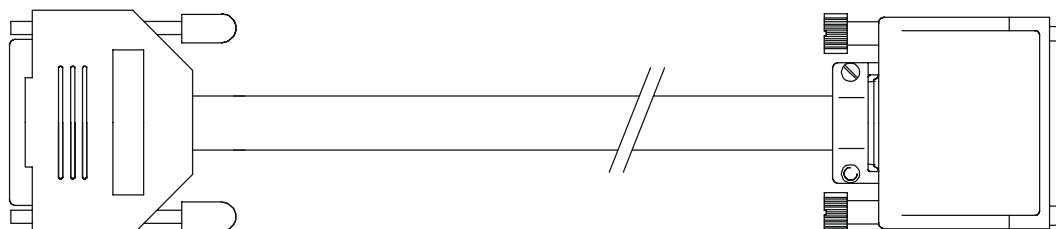


Figure 40. CBL-530T/V35/F Cable

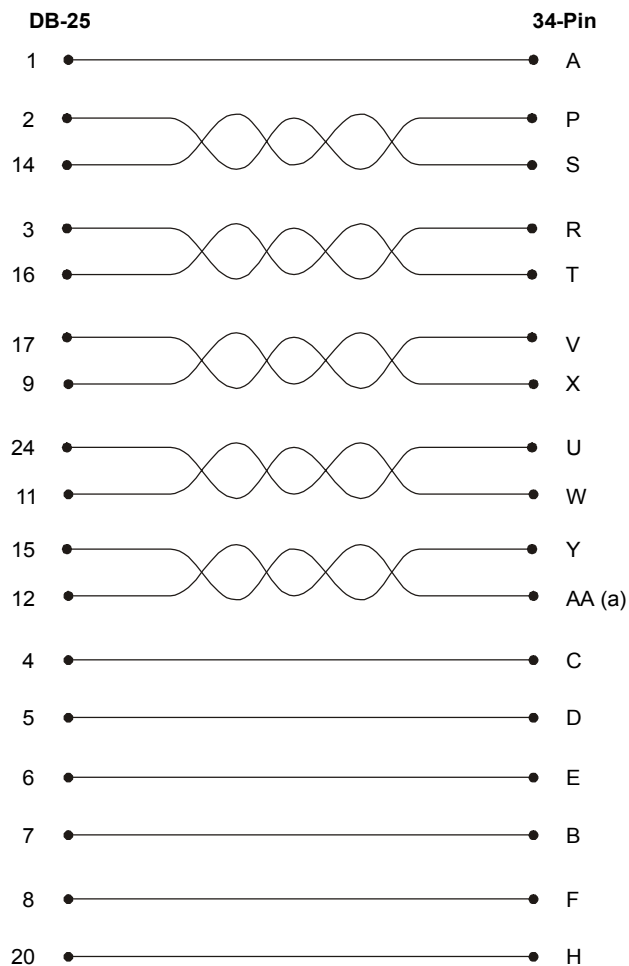


Figure 41. CBL-530T/V.35 Cable Pinout

CBL-V35/CRO/1.5FFR

Cross cable with two female 34-pin connectors. Cable length is 1.5m (5 ft).

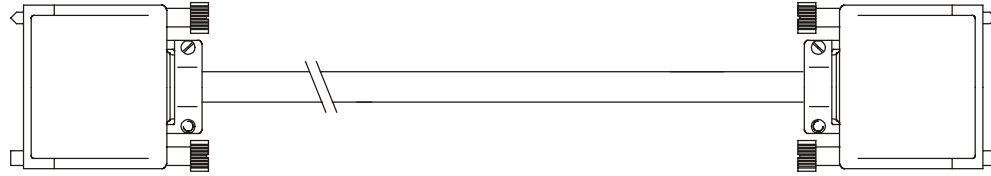


Figure 42. CBL-V35/CRO/1.5FFR Cable

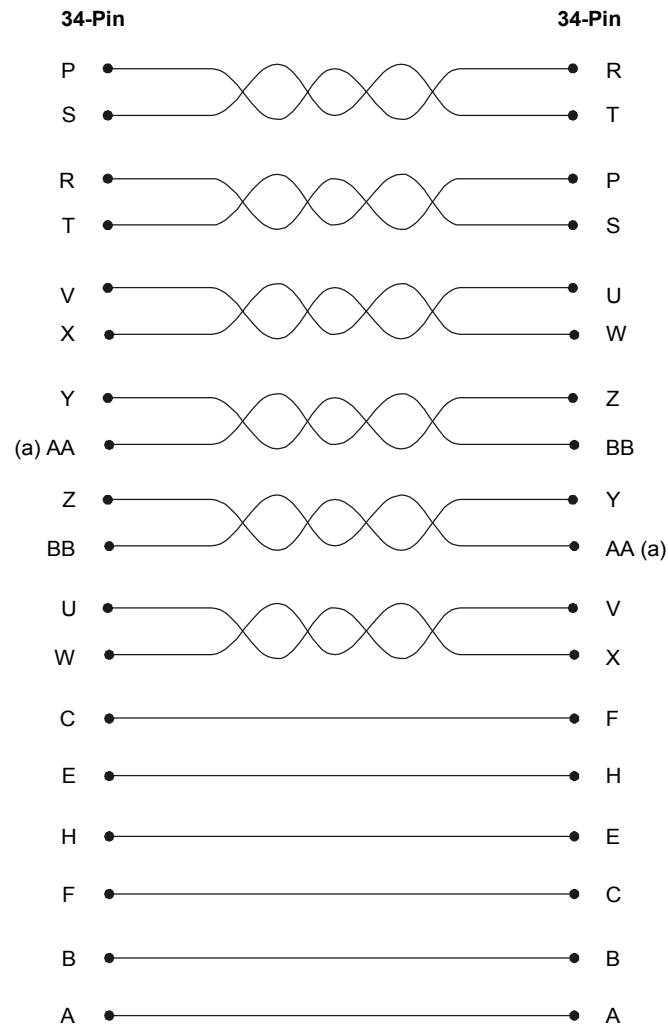


Figure 43. CBL-V35/CRO/1.5FFR Cable Pinout

CBL-V35/CRO/1.5MMR

Cross cable with two male 34-pin connectors. Cable length is 1.5m (5 ft).

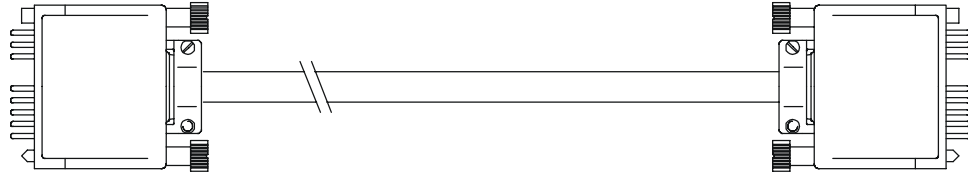


Figure 44. CBL-V35/CRO/1.5MMR Cable

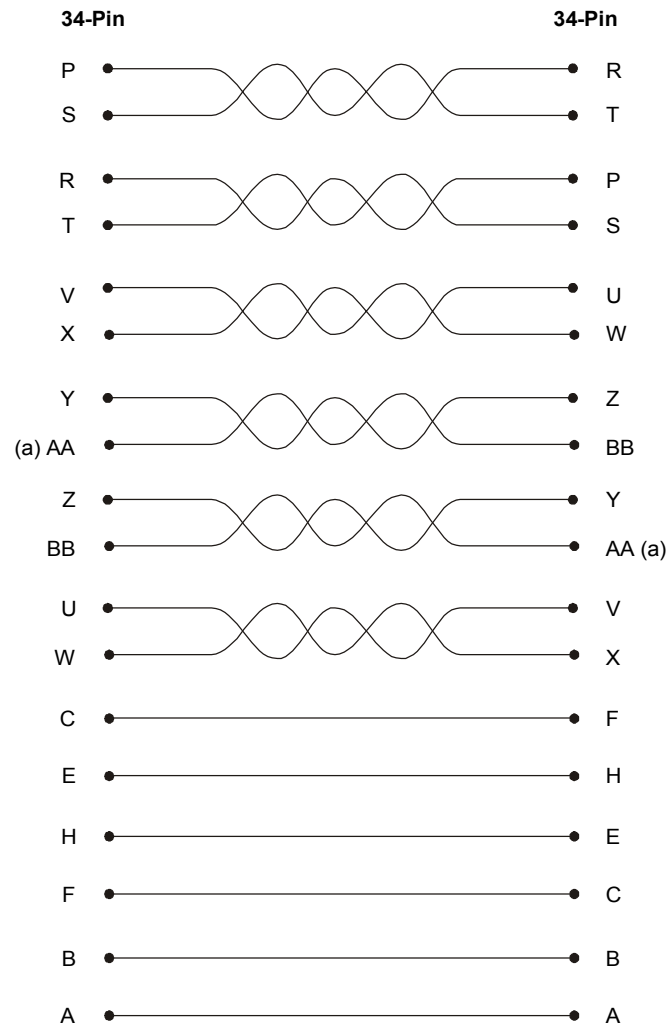


Figure 45. CBL-V35/CRO/1.5MMR Cable Pinout

CBL-V35/CRO/1.5MR

Cross cable with one male and one female 34-pin connectors. Cable length is 1.5m (5 ft).

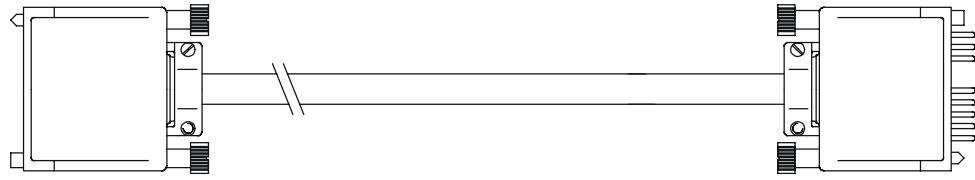


Figure 46. CBL-V35/CRO/1.5MR Cable

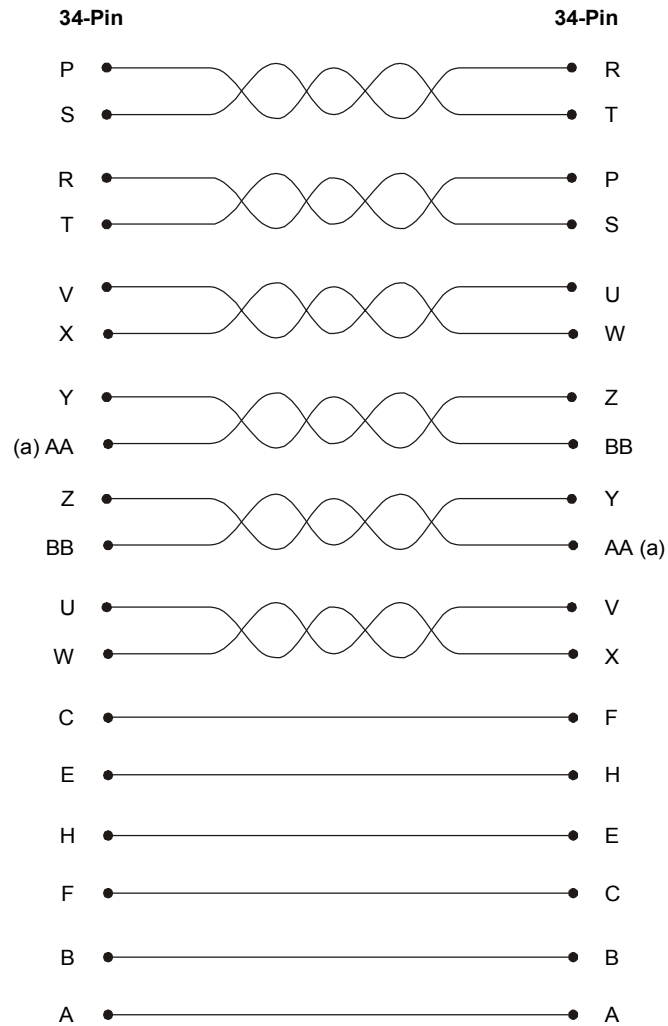


Figure 47. CBL-V35/CRO/1.5MR Cable Pinout

CBL-V35/CROSS

Cross cable with one male and one female 34-pin connectors.

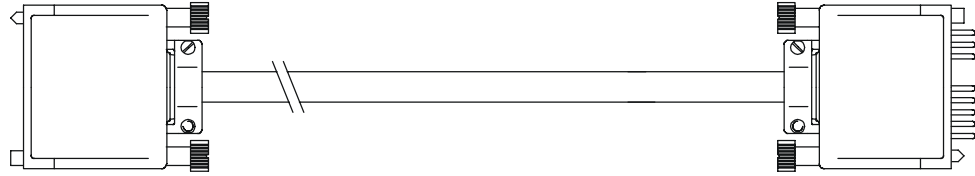


Figure 48. CBL-V35/CROSS Cable

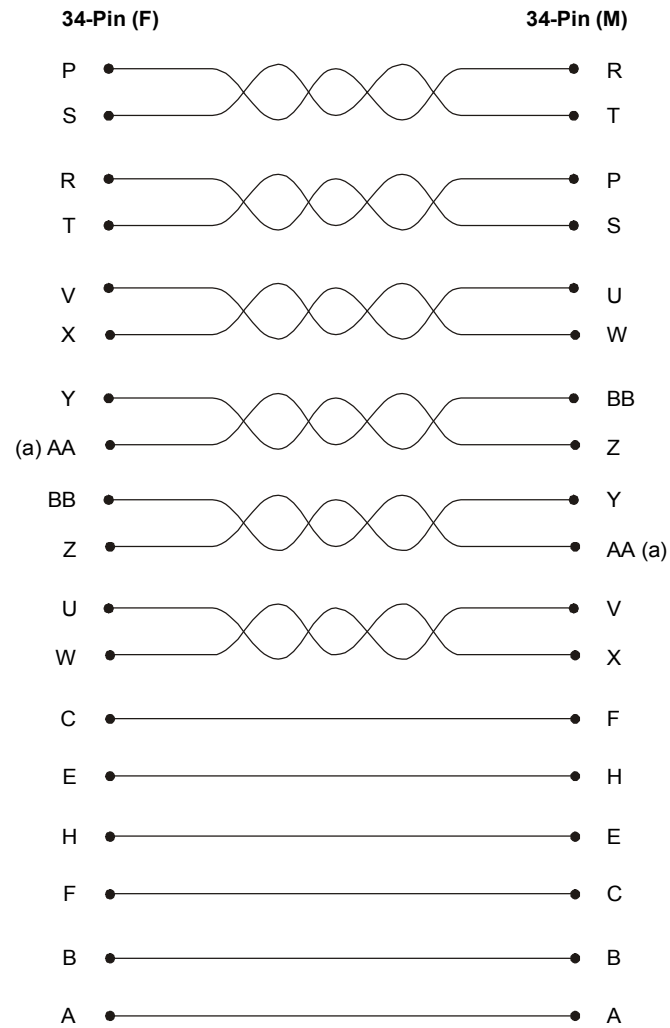


Figure 49. CBL-V35/CROSS Cable Pinout

CBL-V35/CROSS/R

Cross cable with one male and one female 34-pin connectors.

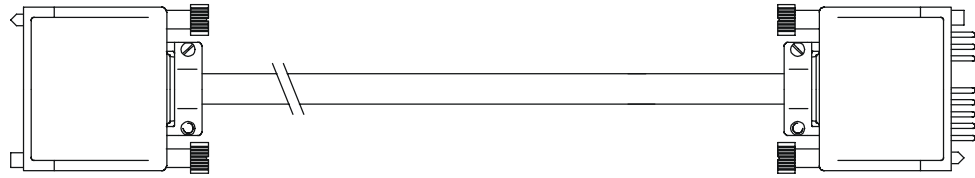


Figure 50. CBL-V35/CROSS/R Cable

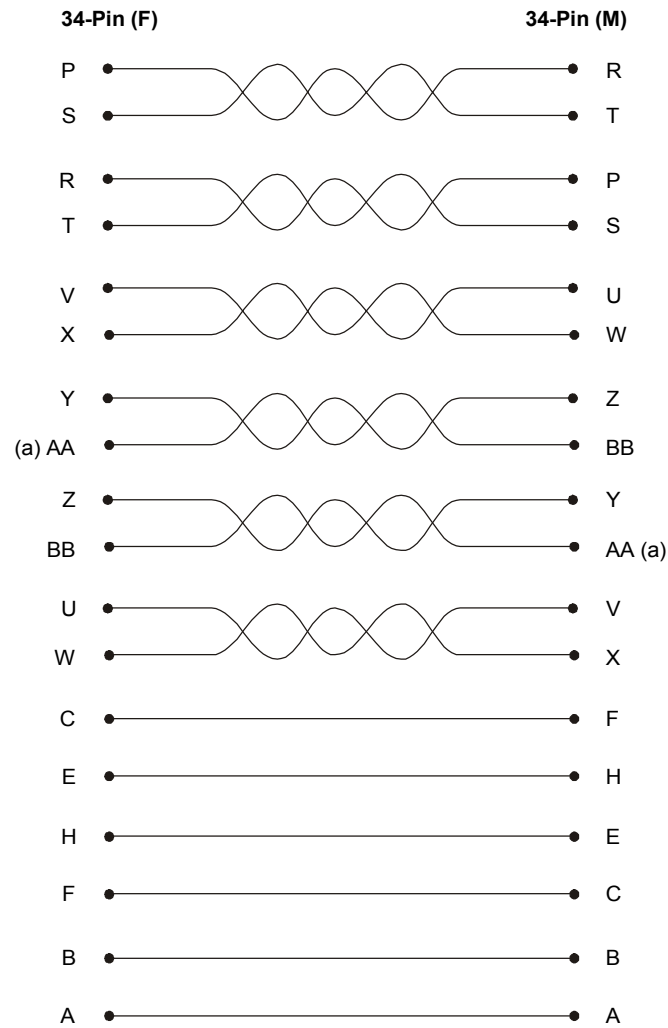


Figure 51. CBL-V35/CROSS/R Cable Pinout

CBL-V35/CRO/1.5/FF

Cross cable with two female 34-pin connectors. Cable length is 1.5m (5 ft).

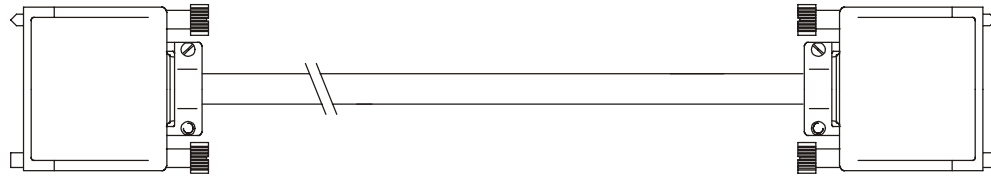


Figure 52. CBL-V.35/CRO/1.5/FF Cable

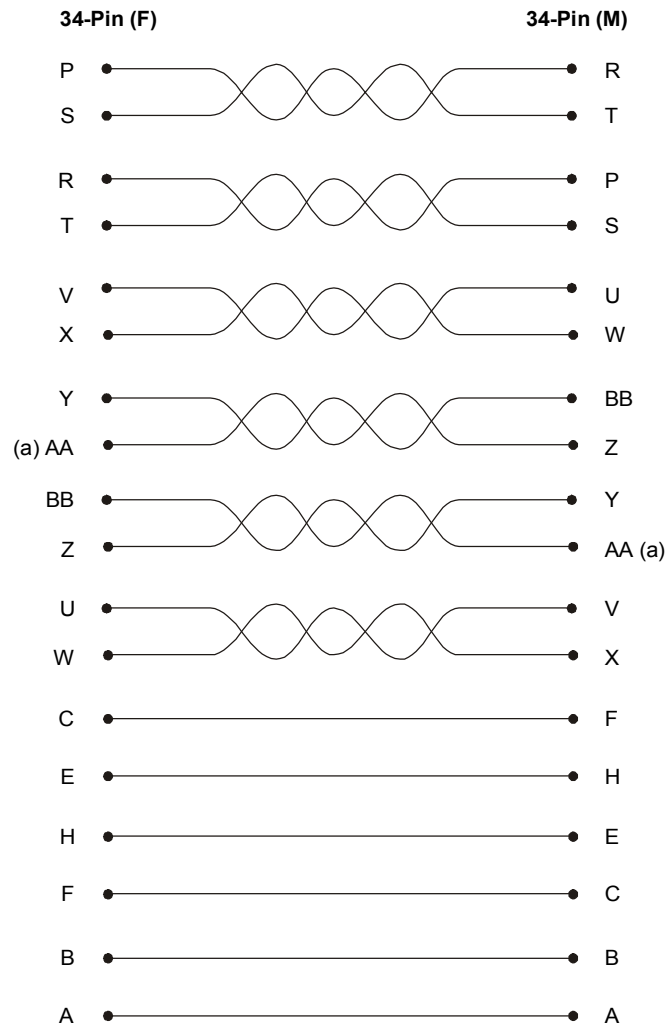


Figure 53. CBL-V.35/CRO/1.5/FF Cable Pinout

CBL-V35/CRO/1.5/MM

Cross cable with two male 34-pin connectors. Cable length is 1.5m (5 ft).

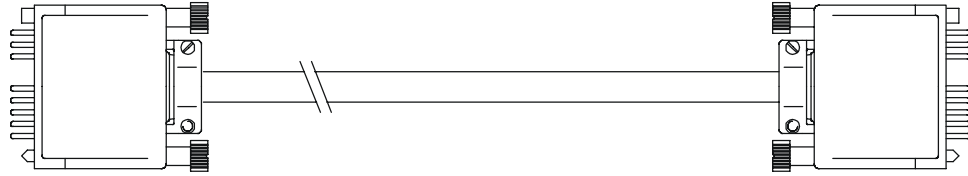


Figure 54. CBL-V35/CRO/1.5/MM Cable

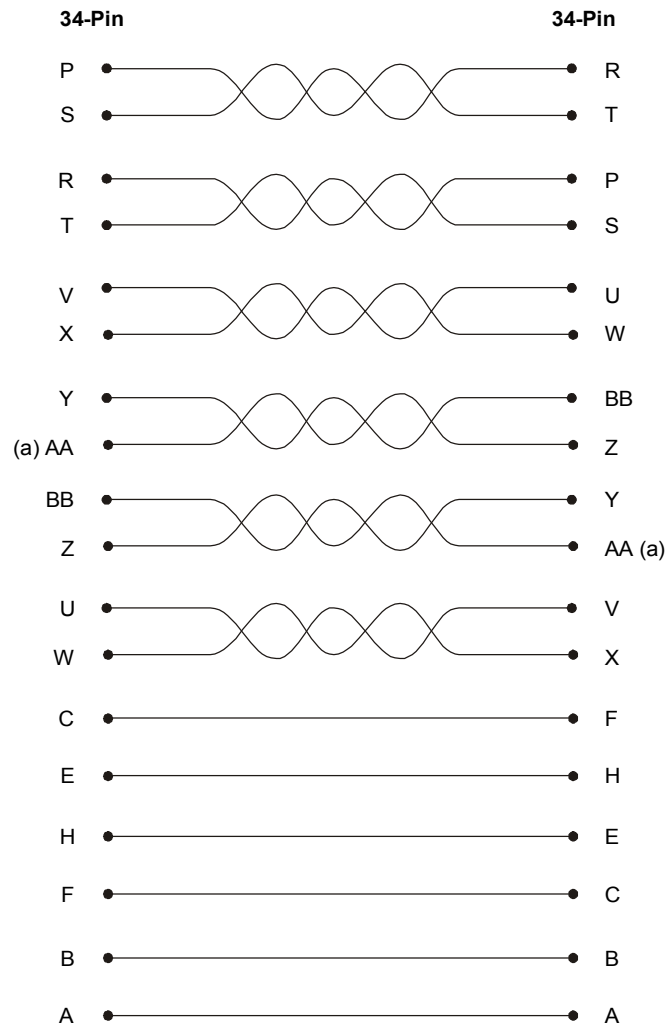


Figure 55. CBL-V35/CRO/1.5/MM Cable Pinout

CBL-V35F/V35M

Straight cable with one male and one female 34-pin connectors.

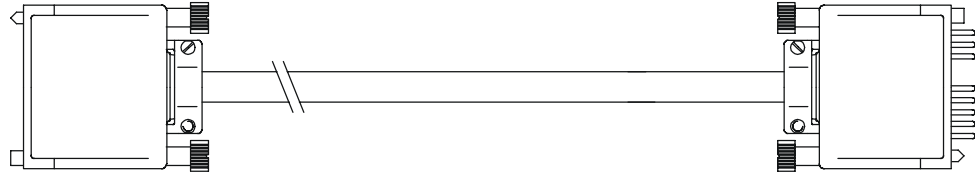


Figure 56. CBL-V35F/V35M Cable

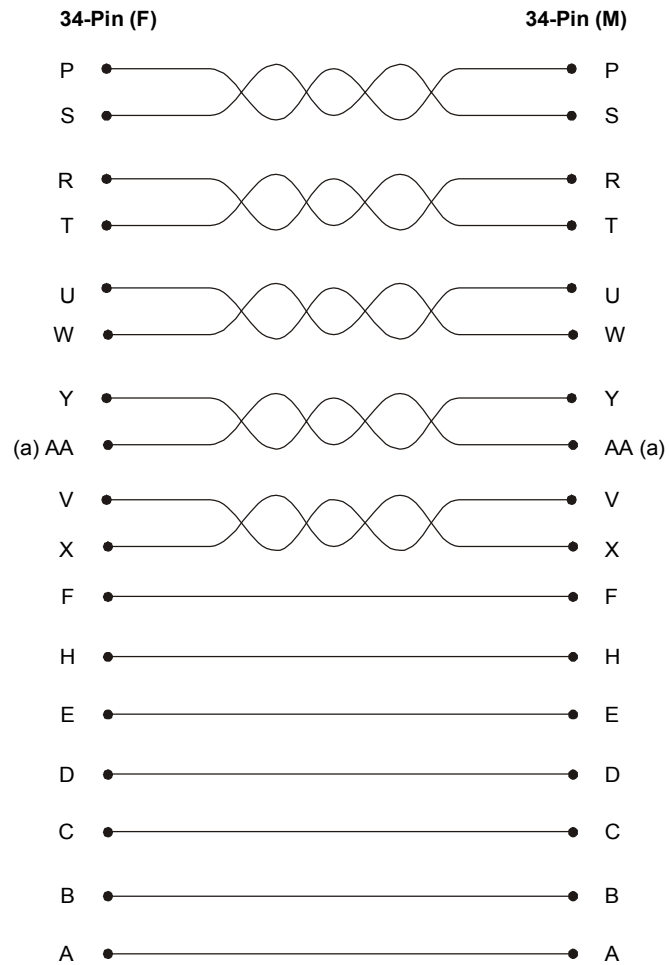


Figure 57. CBL-V35F/V35M Cable Pinout

CBL-V35F/V35M/20M

Straight cable with one male and one female 34-pin connectors. Cable length is 20m (65 ft).

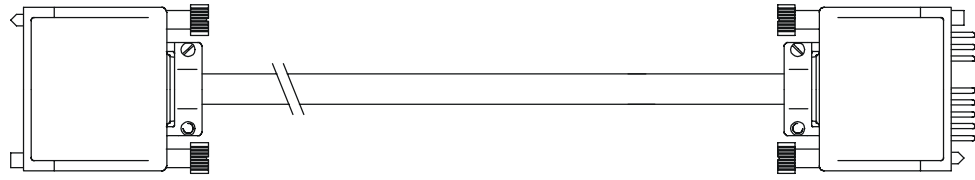


Figure 58. CBL-V35F/V35M/20M Cable

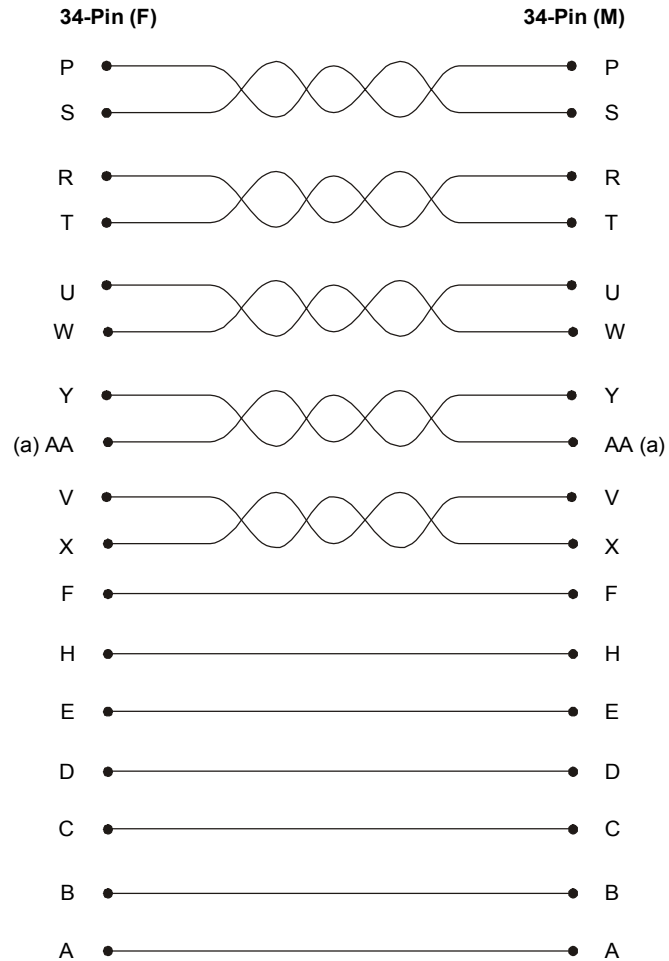


Figure 59. CBL-V35F/V35M/20M Cable Pinout

CBL-V35F/V35M/5M

Straight cable with one male and one female 34-pin connectors. Cable length is 5m (16 ft).

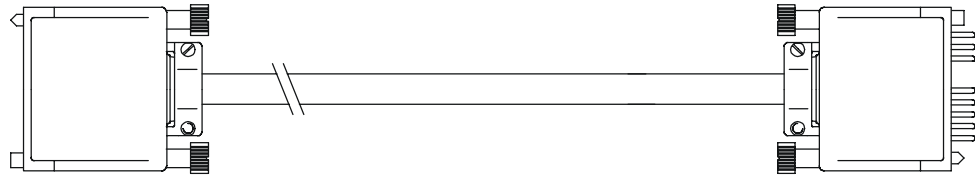


Figure 60. CBL-V35F/V35M/5M Cable

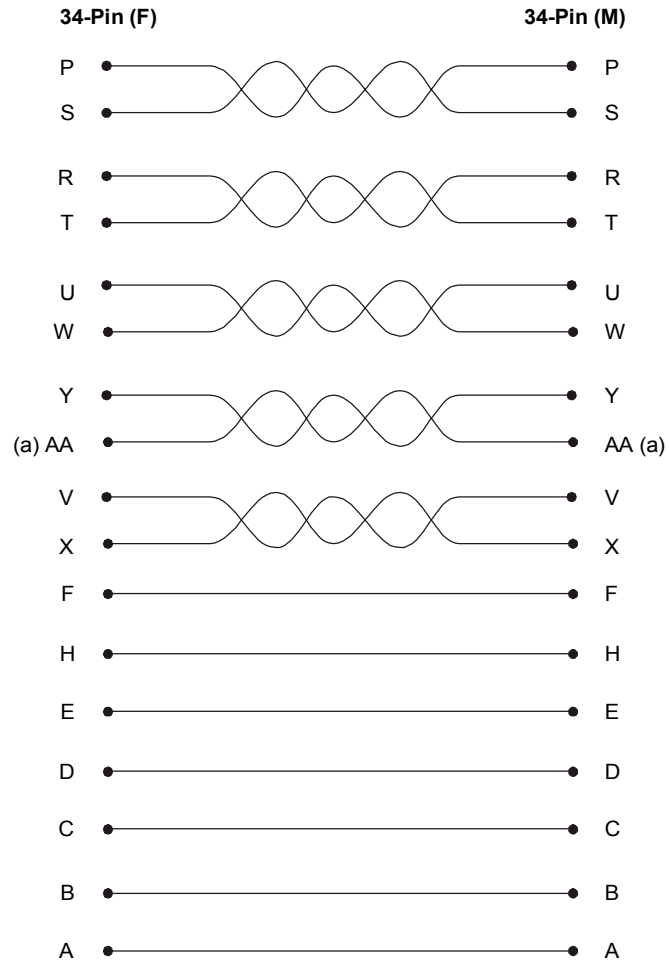


Figure 61. CBL-V35F/V35M/5M Cable Pinout

CBL-V35M/V35M

Straight cable with two male 34-pin connectors.

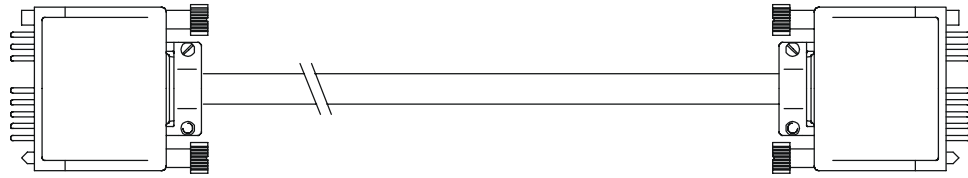


Figure 62. CBL-V35M/V35M Cable

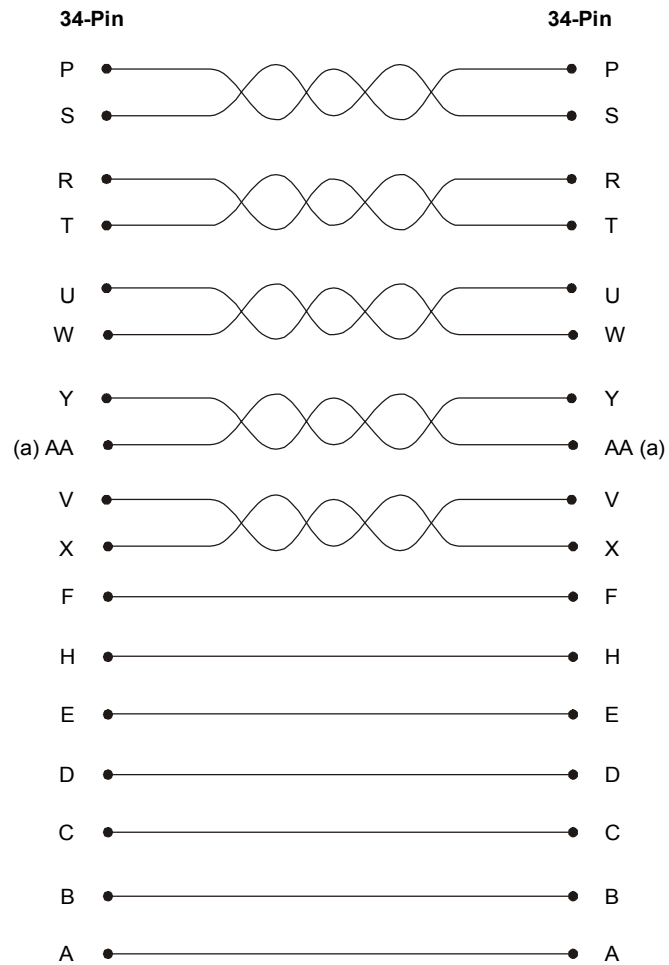


Figure 63. CBL-V35M/V35M Cable Pinout

CBL-V24/CROSS

Cross cable for connecting to the V.24 equipment. The CBL-V24/CROSS cable includes one DB-25 male and one DB-25 female connectors.



Figure 64. CBL-V24/CROSS Cable

Table 14. CBL-V24/CROSS Cable Pinout

DB-25 Connector Pin	DB-25 Connector Pin
1	1
2	3
3	2
4	8
8	4
17	24
24	17
7	7
6	20
20	6
18	18
21	21
25	25

CBL-KVF5/EXP

Expansion cable for the Kilomux KVF.5 card. The CBL-KVF5/EXP cable includes eight DB-9 male connectors.

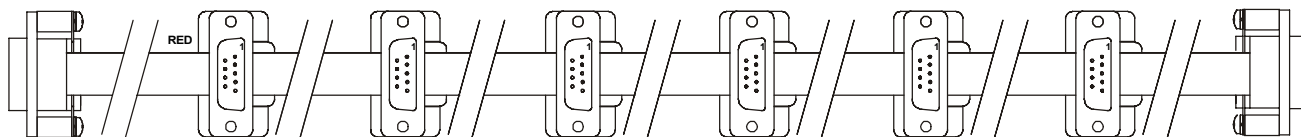


Figure 65. CBL-KVF/EXP Cable, Top View

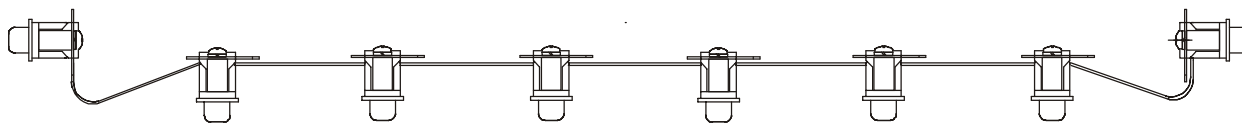


Figure 66. CBL-KVF/EXP Cable, Side View

CBL-KVF6/8-DL

Cable for downloading software upgrades to Kilomux-2100 KVF.6 and KVF.8 modules. The CBL-KVF6/8-DL cable includes one RS-232 DB-9 and one 3-pin connectors.

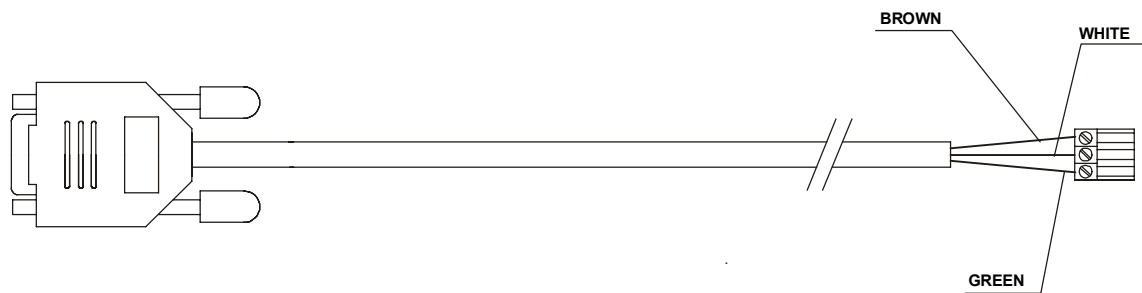


Figure 67. CBL-KVF6/8-DL Cable

Table 15. CBL-KVF6/8-DL Cable Pinout

DB-9 Connector Pin	3-Pin Connector Pin
2	Brown
3	White
5	Green

CBL-KVF8/E&M

Splitter cable for connecting the Kilomux-2100 KVF.8 module (E&M) to user equipment. The CBL-KVF8/E&M includes one male SCSI-68 and eight RJ-45 connectors. Cable length is 2m (6.5 ft).

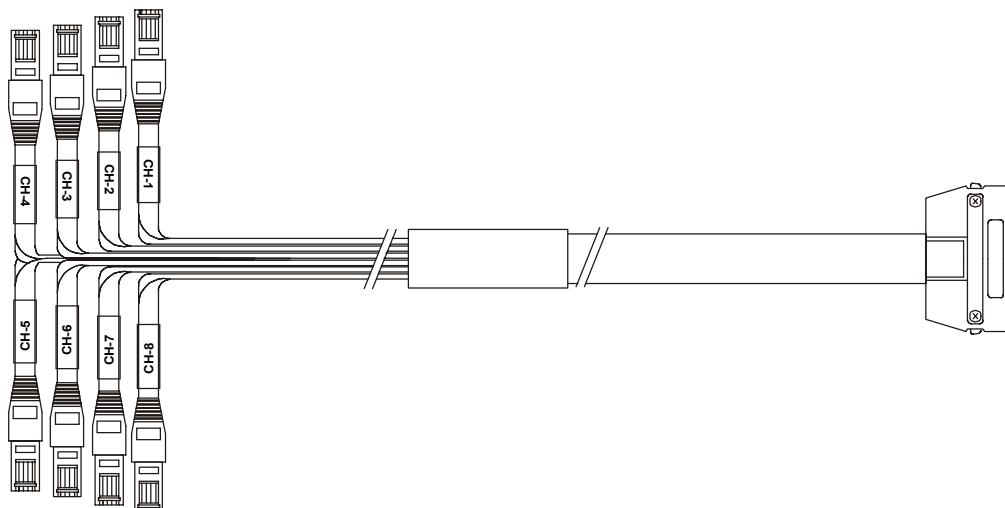


Figure 68. CBL-KVF8/E&M Cable

Table 16. CBL-KVF8/E&M Cable Pinout

	SCSI-68 Connector Pin	RJ-45 Connector Pin	
CH-1	37	1	Twisted
	38	2	
	1	4	Twisted
	2	5	
	3	3	Twisted
	4	6	
	35	7	Twisted
	36	8	
CH-2	43	1	Twisted
	44	2	
	7	4	Twisted
	8	5	
	9	3	Twisted
	10	6	
	41	7	Twisted
	42	8	

Table 16. CBL-KVF8/E&M Cable Pinout (Cont.)

	SCSI-68 Connector Pin	RJ-45 Connector Pin	
CH-3	49	1	Twisted
	50	2	
	13	4	Twisted
	14	5	
	15	3	Twisted
	16	6	
	47	7	Twisted
	48	8	
CH-4	55	1	Twisted
	56	2	
	19	4	Twisted
	20	5	
	21	3	Twisted
	22	6	
	53	7	Twisted
	54	8	
CH-5	61	1	Twisted
	62	2	
	25	4	Twisted
	26	5	
	27	3	Twisted
	28	6	
	59	7	Twisted
	60	8	
CH-6	67	1	Twisted
	68	2	
	31	4	Twisted
	32	5	
	33	3	Twisted
	34	6	
	65	7	Twisted
	66	8	

Table 16. CBL-KVF8/E&M Cable Pinout (Cont.)

	SCSI-68 Connector Pin	RJ-45 Connector Pin	
CH-7	45	1	Twisted
	46	2	
	5	4	Twisted
	6	5	
	11	3	Twisted
	12	6	
	39	7	Twisted
	40	8	
CH-8	57	1	Twisted
	58	2	
	17	4	Twisted
	18	5	
	23	3	Twisted
	24	6	
	51	7	Twisted
	52	8	

CBL-KVF8/FXOS

Splitter cable for connecting the Kilomux-2100 KVF.8 module (FXO or FXS) to user equipment. The CBL-KVF8/FXOS includes one male DB-25 and eight RJ-11 connectors. Cable length is 2m (6.5 ft).

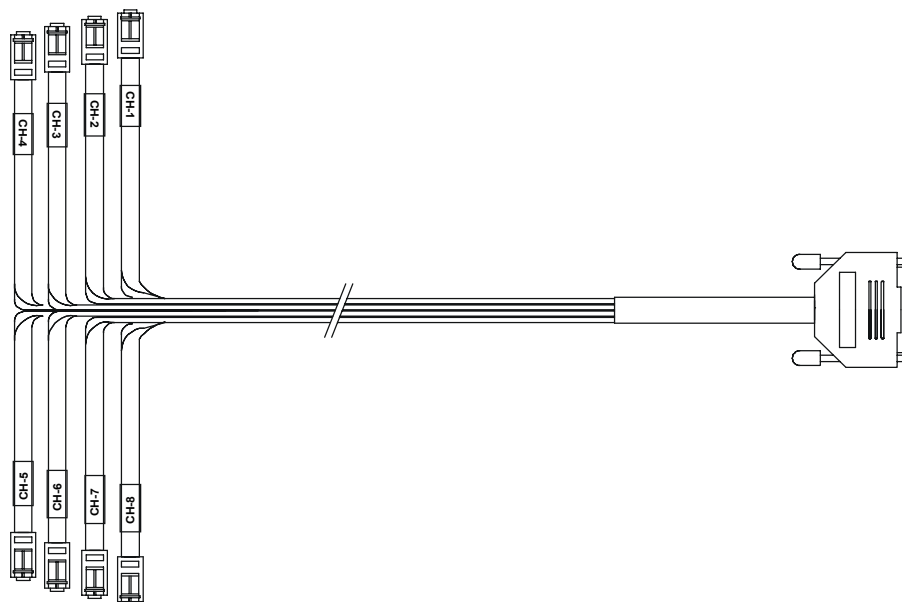


Figure 69. CBL-KVF8/FXOS Cable

Table 17. CBL-KVF8/FXOS Cable Pinout

	DB-25 Connector Pin	RJ-1 Connector Pin
CH-1	15	4 (green)
	3	3 red
CH-2	16	4
	4	3
CH-3	17	4
	5	3
CH-4	18	4
	6	3
CH-5	11	4
	24	3
CH-6	10	4
	23	3
CH-7	9	4
	22	3
CH-8	8	4
	21	3

CBL-530/CVS/STR

Straight cable for connecting the KML.3 module of Kilomux to DHS.
The CBL-530/CVS/STR cable includes two male DB-25 connectors.

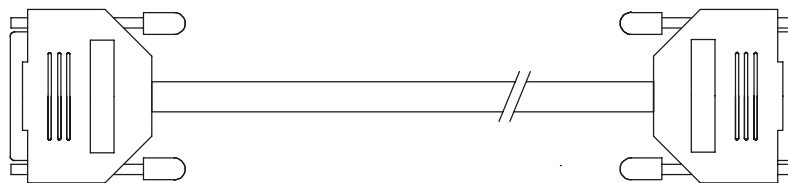


Figure 70. CBL-530/CVS/STR Cable

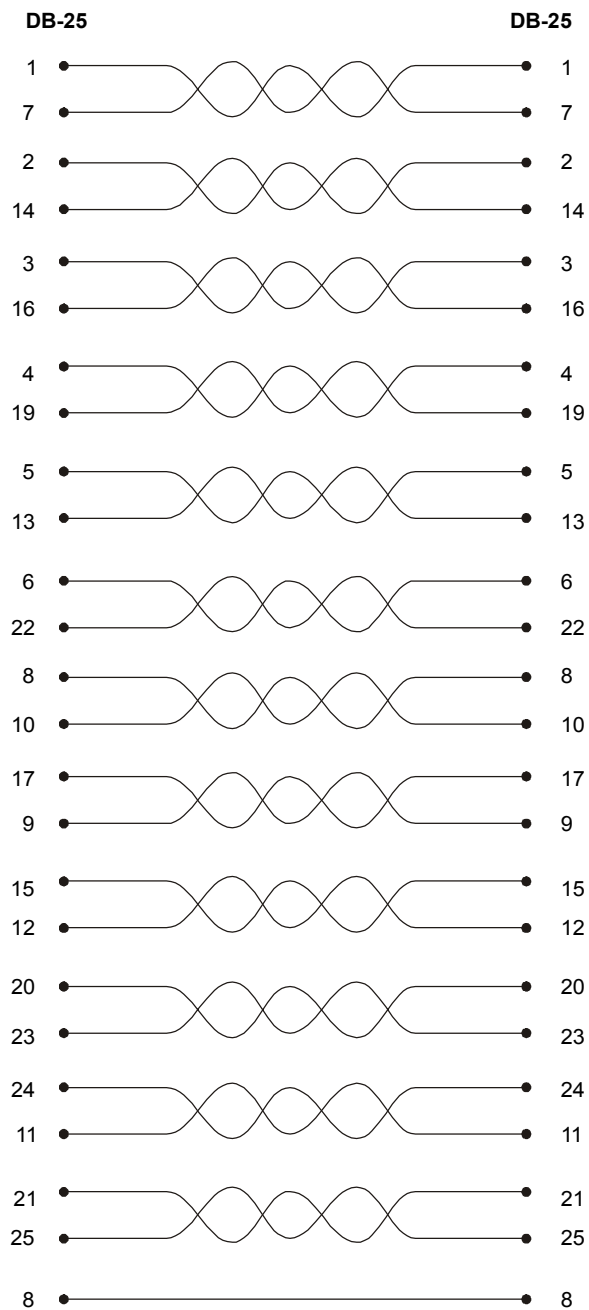


Figure 71. CBL-530/CVS/STR Cable Pinout

CBL-RJ45/D25

Configuration cable with V.24/RS-232 interface. The CBL-RJ45/D25 cable includes male RJ-45 and DB-25 connectors.

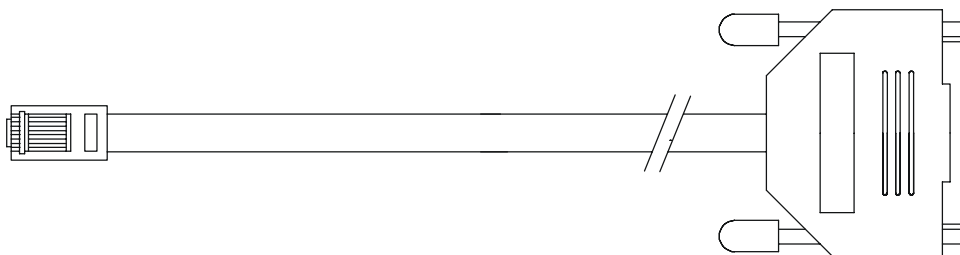


Figure 72. CBL-RJ45/D25 Cable

Table 18. CBL-RJ45/D25 Cable Pinout

RJ-45 Connector Pin	DB-25 Connector Pin
1	6
2	8
3	20
4	7
5	3
6	2
7	5
8	4

CBL-RJ45/DB9/NULL

Cross cable. The CBL-RJ45/DB9/NULL cable includes male RJ-45 and DB-9 connectors.

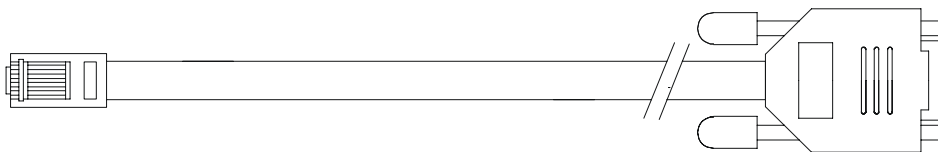


Figure 73. CBL-RJ45/DB9/NULL Cable

Table 19. CBL-RJ45/DB9/NULL Cable Pinout

RJ-45 Connector Pin	DB-9 Connector Pin
1, 2, 3	–
–	1, 4, 6
4	5
5	3
5	3
6	2
7, 8	–
–	7, 8

CBL-RINGER-1

Cable for connecting a Ringer 3-pin DC-output connector to a single module.

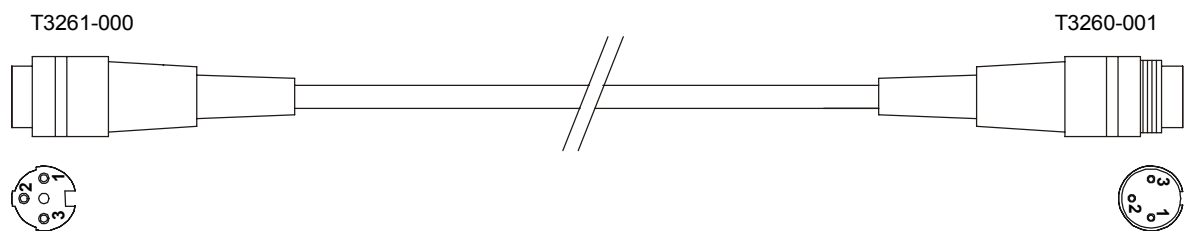


Figure 74. CBL-RINGER-1 Cable

Table 20. CBL-RINGER-1 Cable Pinout

T3261-000	T3260-001	Wire Color
1	1	White
2	2	Brown
3	3	Green

CBL-RINGER-LNG

Cable for connecting a Ringer 3-pin DC-output connector to a single module.
Cable length is 2m (6.5 ft).

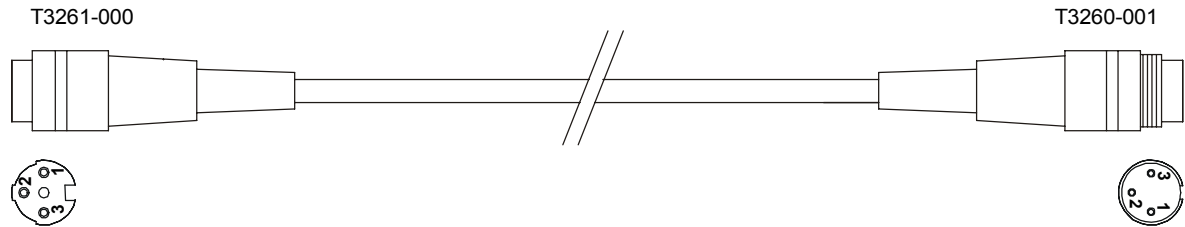


Figure 75. CBL-RINGER-LNG Cable

Table 21. CBL-RINGER-LNG Cable Pinout

T3261-000	T3260-001	Wire Color
1	1	White
2	2	Brown
3	3	Green

CBL-RINGER-2

Splitter cable for connecting a Ringer 3-pin DC-output connector to up to two modules.

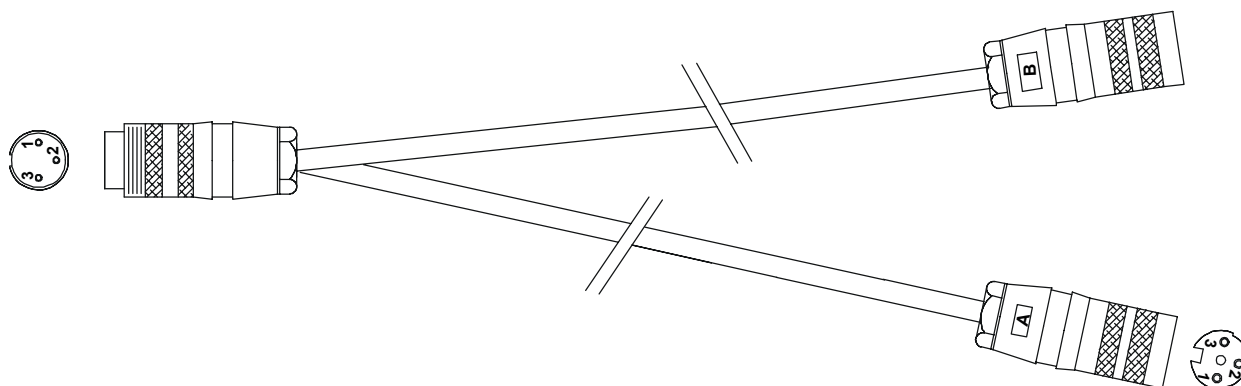


Figure 76. CBL-RINGER-2 Cable

Table 22. CBL-RINGER-2 Cable Pinout

Plug	Socket A	Socket B	Wire Color
1	1	1	White
2	2	2	Brown
3	3	3	Green

CBL-RINGER-4

Splitter cable for connecting a Ringer 3-pin DC-output connector to up to four modules.

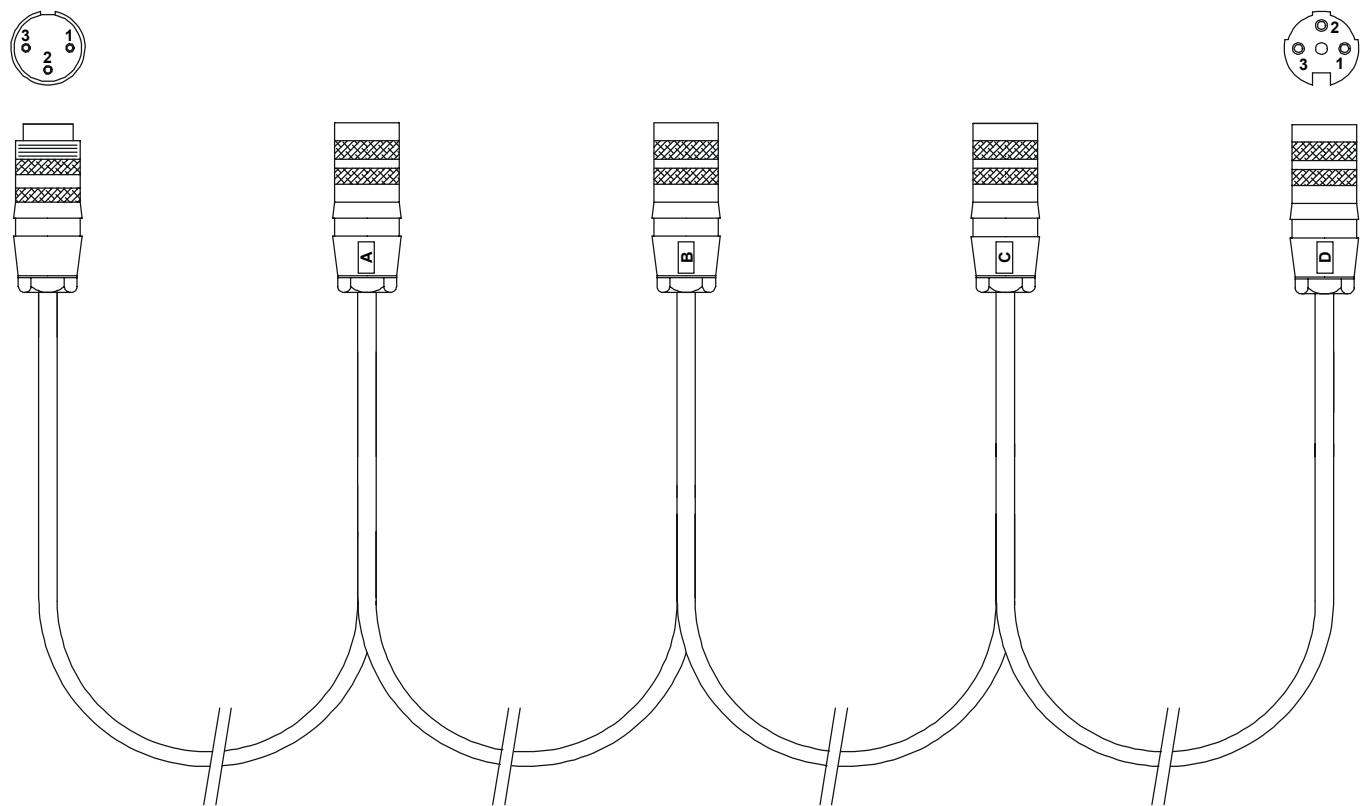


Figure 77. CBL-RINGER-4 Cable

Table 23. CBL-RINGER-4 Cable Pinout

Plug	Socket A	Socket B	Socket C	Socket D	Wire Color
1	1	1	1	1	White
2	2	2	2	2	Brown
3	3	3	3	3	Green

CBL-RINGER-6

Splitter cable for connecting a Ringer 3-pin DC-output connector to up to six modules.

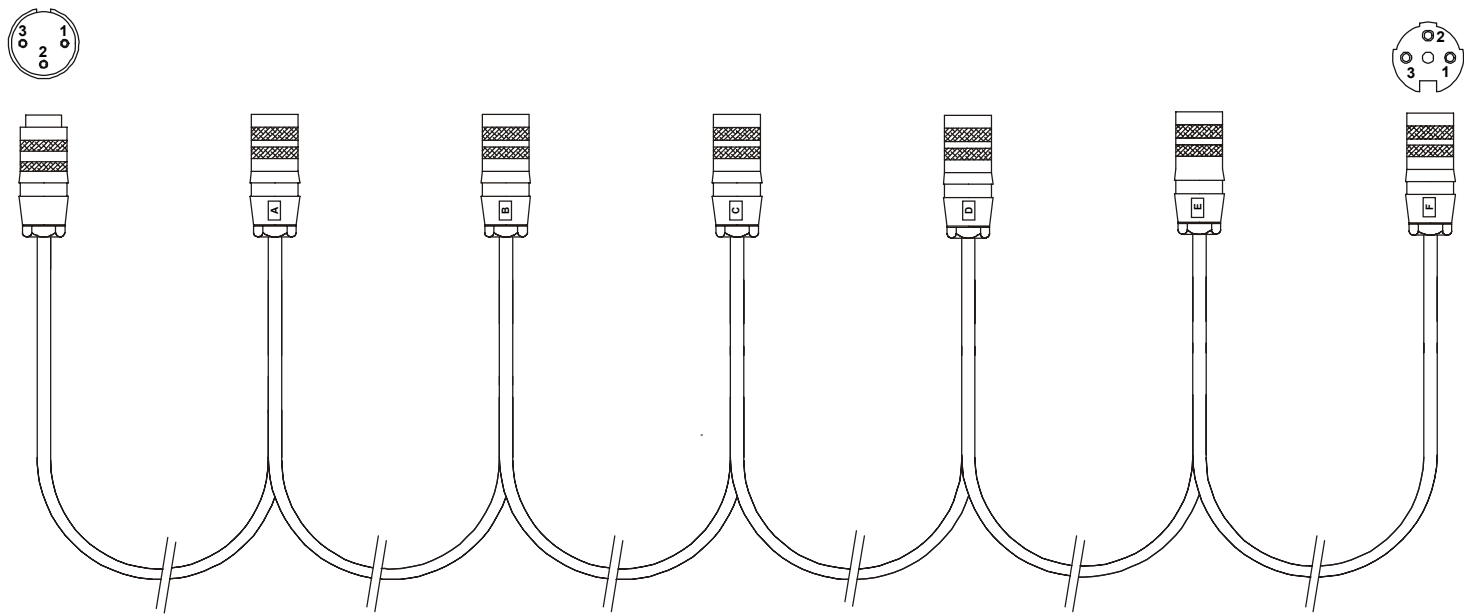


Figure 78. CBL-RINGER-6 Cable

Table 24. CBL-RINGER-6 Cable Pinout

Plug	Socket A	Socket B	Socket C	Socket D	Socket E	Socket F	Wire Color
1	1	1	1	1	1	1	White
2	2	2	2	2	2	2	Brown
3	3	3	3	3	3	3	Green

CBL-RINGER2200-1

Cable for connecting a Ringer-2200 6-pin DC-output connector to a module/splitter cable 3-pin DC-input connector.

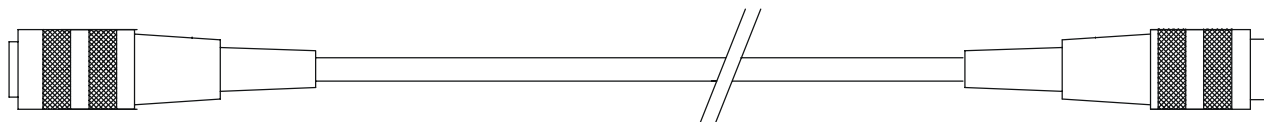


Figure 79. CBL-RINGER2200-1 Cable

Table 25. CBL-RINGER2200-1 Cable Pinout

3-pin Connector	6-pin Connector	Wire Color
1	3	Black
	4	White
2	2	Brown
3	5	Green
	6	Red

CBL-DV-MUX/232

Adapter cable for connecting the DV-MUX3 main link or data channel with X.21 interface to the user equipment with V.24 interface. The CBL-DV-MUX/232 cable includes one DB-15 male and one DB-25 female connectors.

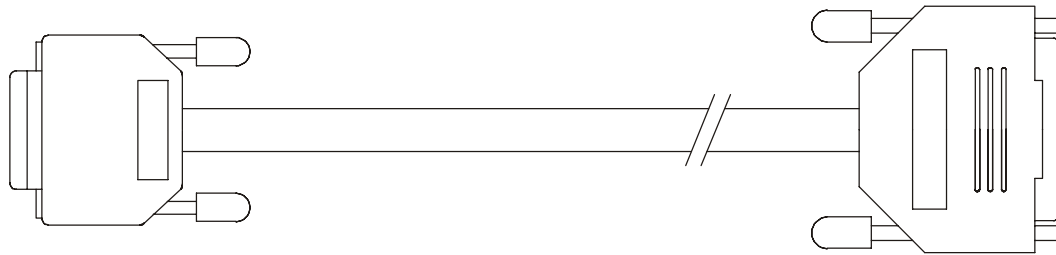


Figure 80. CBL-DV-MUX/232 Cable

Table 26. CBL-DV-MUX/232 Cable Pinout

DB-15 Connector Pin	DB-25 Connector Pin
1	1
2	2
3	4
4	3
5	8
6	15
7	17
8	7
15	5
10	20
19	22
9	6

CBL-DV-MUX/V.35

Adapter cable for connecting the DV-MUX3 main link or data channel with X.21 interface to the user equipment with V.35 interface. The CBL-DV-MUX/V.35 cable includes one DB-15 male and one 34-pin female connectors.

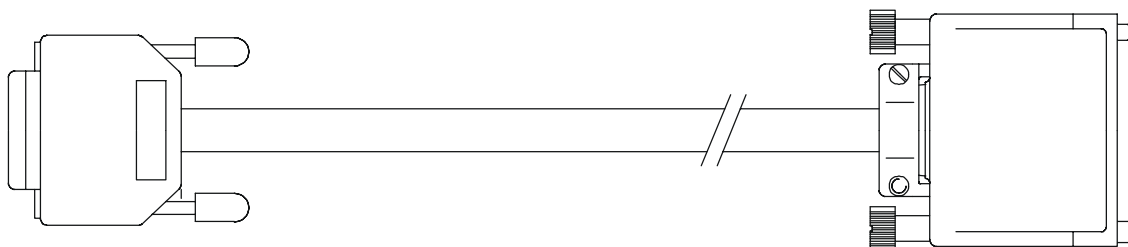


Figure 81. CBL-DV-MUX/V.35 Cable

Table 27. CBL-DV-MUX/V.35 Cable Pinout

DB-15 Connector Pin	34-pin Connector Pin	
15	D	
1	A	
2	P	
9	S	
4	R	
11	T	
5	F	
6	Y	} Twisted
13	AA	
7	V	} Twisted
14	X	
8	B	
3	C	
10	H	
12	J	

CBL-KM-22/530

Adapter cable for connecting the DV-MUX3 main link or data channel with X.21 interface to the user equipment with RS-530 interface. The CBL-KM-22/530 cable includes one DB-15 male and one DB-25 female connectors.

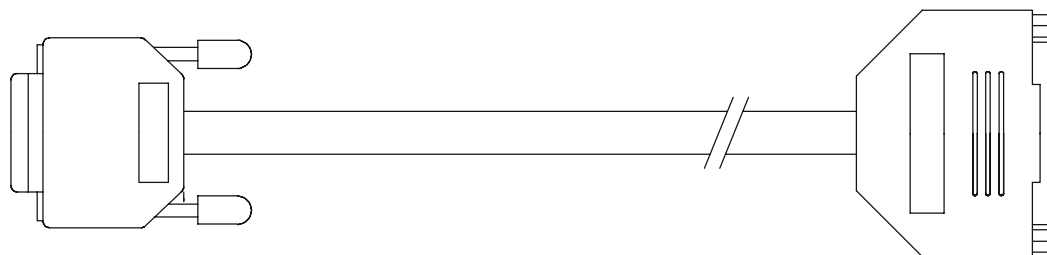


Figure 82. CBL-KM-22/530 Cable

Table 28. CBL-KM-22/530 Cable Pinout

DB-15 Connector Pin	DB-25 Connector Pin	
1	1	
2	2	Twisted
9	14	
4	3	Twisted
11	16	
5	8	Twisted
12	10	
6	15	Twisted
13	12	
7	17	Twisted
14	9	
8	7	
3	4	Twisted
10	19	

CBL-KM-22/449

Adapter cable for connecting the DV-MUX3 main link or data channel with X.21 interface to the user equipment with V.36 interface. The CBL-KM-22/449 cable includes one DB-15 male and one DB-37 female connectors.

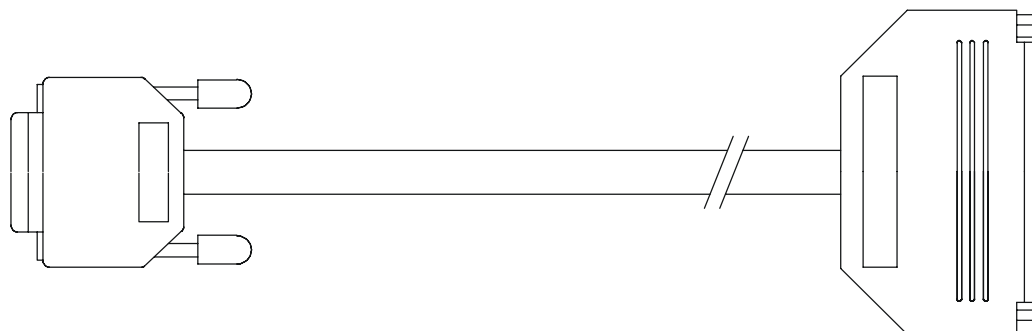


Figure 83. CBL-KM-22/449 Cable

Table 29. CBL-KM-22/449 Cable Pinout

DB-15 Connector Pin	DB-37 Connector Pin	
1	1	
2	4	Twisted
9	22	
4	6	Twisted
11	24	
5	13	Twisted
12	31	
6	5	Twisted
13	23	
7	8	Twisted
14	26	
8	19	
3	7	Twisted
10	25	

CBL-HS1/530/CROSS

Cross cable for RS-530 connection. The CBL-HS1/530/CROSS includes two D-25 male connectors.

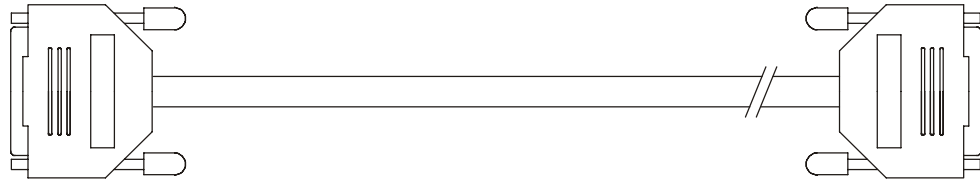


Figure 84. CBL-HS1/530/CROSS Cable

Table 30. CBL-HS1/530/CROSS Cable Pinout

DB-25 Connector Pin	DB-25 Connector Pin	
1	1	
3	2	Twisted
16	14	
2	3	Twisted
14	16	
8	4	Twisted
10	19	
4	8	Twisted
19	10	
24	17	Twisted
11	9	
17	24	Twisted
9	11	
20	15	Twisted
23	12	
15	20	Twisted
12	23	
25	21	
21	25	
7	7	

CBL-HS1/X21/CROSS

Cross cable for X.21 connection. The CBL-HS1/X21/CROSS cable includes two male DB-15 connectors.

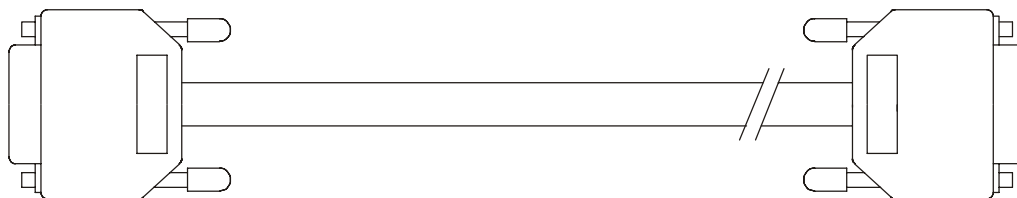


Figure 85. CBL-HS1/X21/CROSS Cable

Table 31. CBL-HS1/X21/CROSS Cable Pinout

DB-15 Connector Pin	DB-15 Connector Pin	
1	1	
4	2	Twisted
11	9	
2	4	Twisted
9	11	
5	3	Twisted
12	10	
3	5	Twisted
10	12	
7	6	Twisted
14	13	
6	7	Twisted
13	14	
8	8	

CBL-HS1/V.35/CROSS

Cross cable for V.35 connection. The CBL-HS1/V.35/CROSS cable includes two male 34-pin connectors.

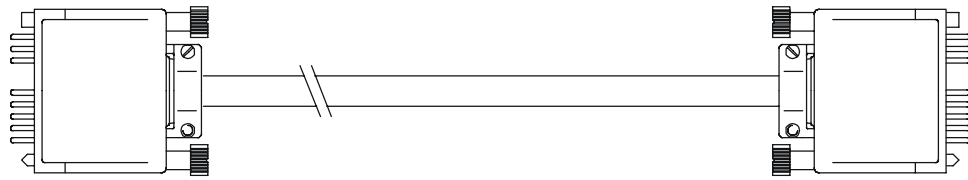


Figure 86. CBL-HS1/V.35/CROSS Cable

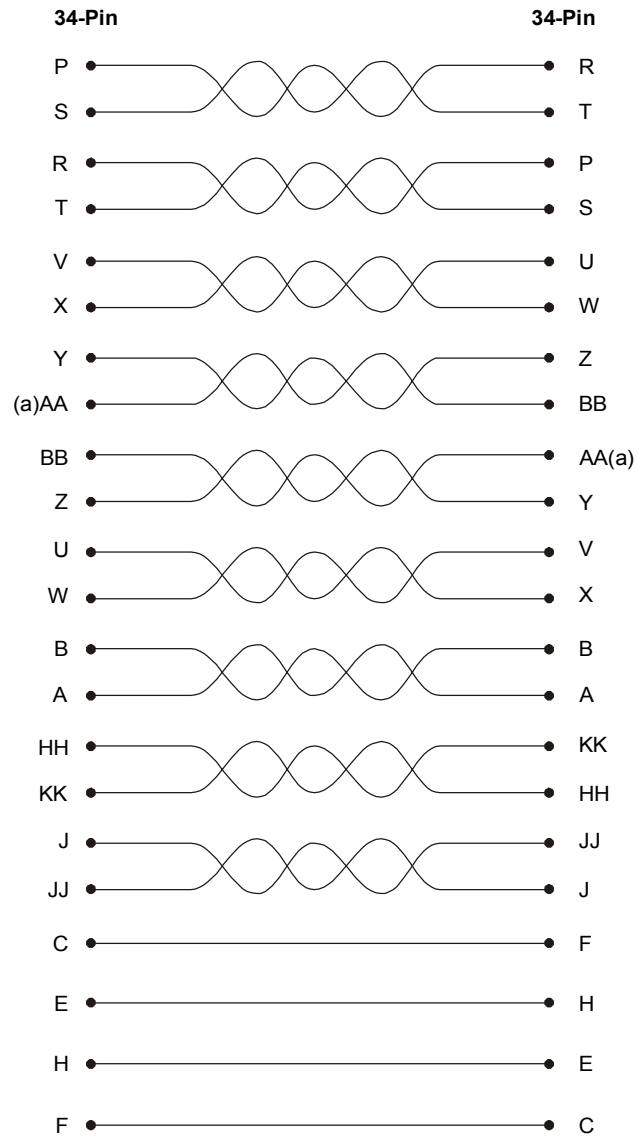


Figure 87. CBL-HS1/V.35/CROSS Cable Pinout

CBL-ASM40/P

Splitter cable for connecting the ASM-40 modem to the PS-RPT external power supply and to the G.703 line in order to provide remote power feed for the repeaters installed on the line.

The CBL-ASM40/P cable includes the following connectors:

- Male DB-15 for the modem connection
- Female DB-15 for the line connection
- RJ-45 for the power supply connection.

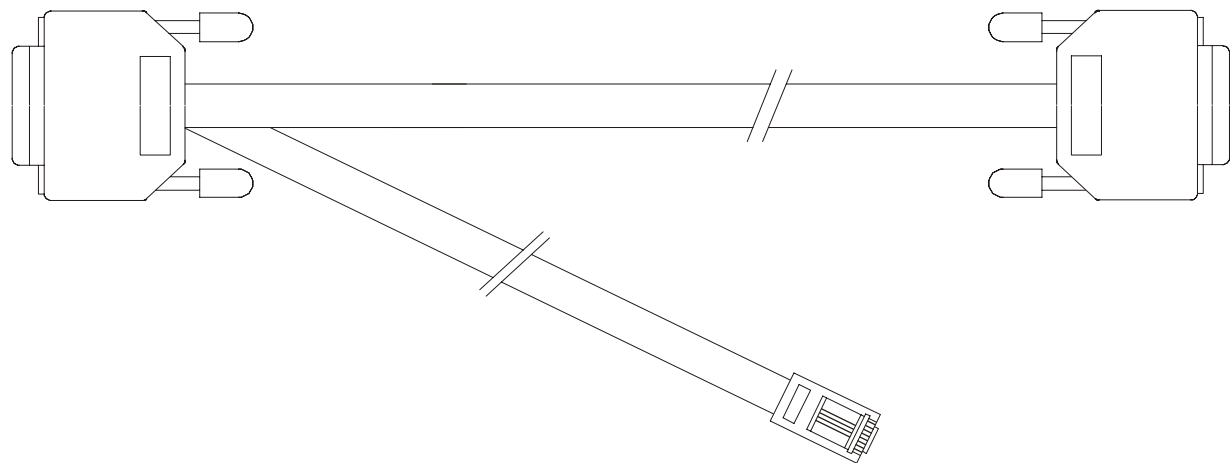


Figure 88. CBL-ASM40/P Cable

Table 32. CBL-ASM40/P Cable Pinout

RJ-45 Connector Pin	DB-15 Male Connector Pin	DB-15 Female Connector Pin	
	1	1	Twisted
	9	9	
	3	3	Twisted
	11	11	
3 (Black)	14		
4 (Red)			
5 (Green)	8		
6 (Yellow)			

CBL-ATM/STR

The CBL-ATM/STR cable is a straight cable with two RJ-45 connectors.

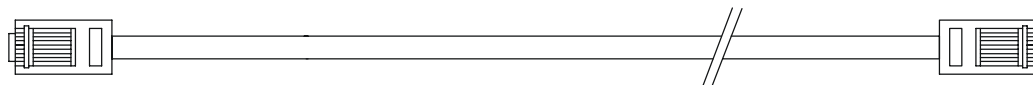


Figure 89. CBL-ATM/STR Cable

Table 33. CBL-ATM/STR Cable Pinout

RJ-45 Connector Pin	RJ-45 Connector Pin
1	1
2	2
7	7
8	8

CBL-ATM/CROSS

The CBL-ATM/CROSS cable is a cross cable with two male RJ-45 connectors.

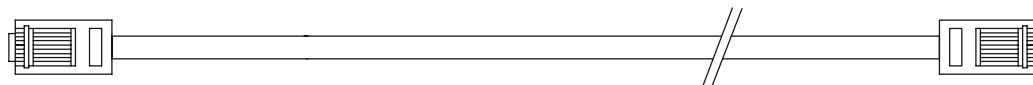


Figure 90. CBL-ATM/CROSS Cable

Table 34. CBL-ATM/CROSS Cable Pinout

RJ-45 Connector Pin	RJ-45 Connector Pin
1	7
2	8
7	1
8	2

CBL-4HDLC-DCE-X21

Splitter cable for connecting the ACE-101 frame forwarding modules to the HDLC equipment with X.21 interface. The CBL-4HDLC-DCE-X21 cable includes one SCSI-68 male and four DB-15 female connectors.

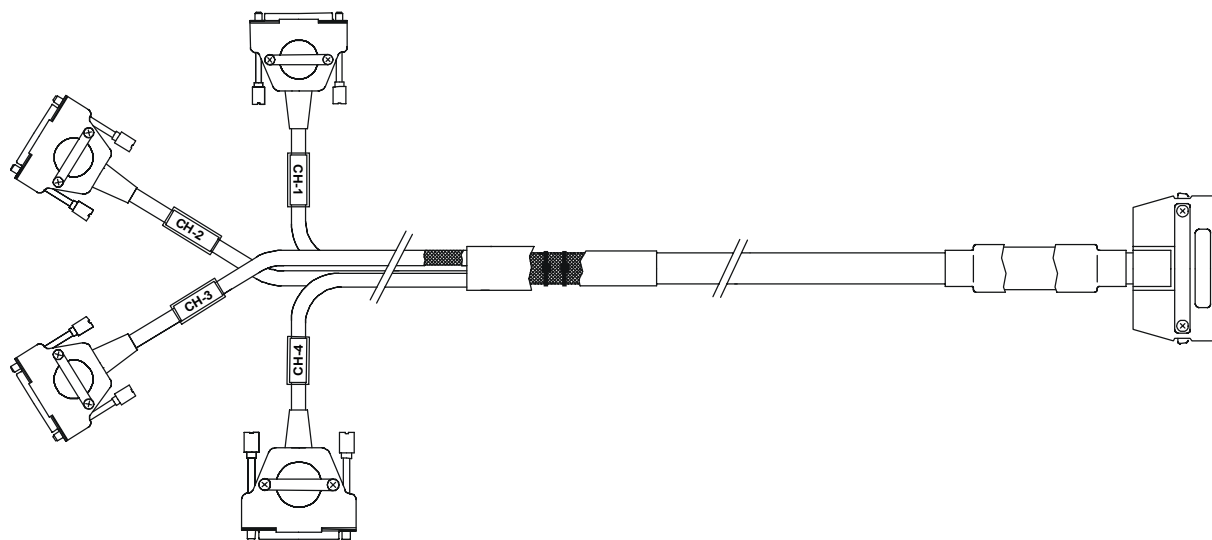


Figure 91. CBL-4HDLC-DCE-X21 Cable

Table 35. CBL-4HDLC-DCE-X21 Cable Pinout

	DB-15 Connector Pin	SCSI-68 Connector Pin	
CH-1	4	34	Twisted
	11	68	
	2	33	Twisted
	9	67	
	7	32	Twisted
	14	66	
	6	31	Twisted
	13	65	
	—	30	Twisted
	—	64	
	5	29	Twisted
	12	63	
	3	28	Twisted
	10	62	

Table 35. CBL-4HDLC-DCE-X21 Cable Pinout (Cont.)

	DB-15 Connector Pin	SCSI-68 Connector Pin	
CH-1 (Cont.)	–	27	Twisted
	–	61	
	1	Shield	
	8	26	Twisted
CH-2	8	60	Twisted
	4	25	Twisted
	11	59	
	2	24	Twisted
	9	58	
	7	23	Twisted
	14	57	
	6	22	Twisted
	13	56	
	–	21	Twisted
	–	55	
	5	20	Twisted
	12	54	
	3	19	Twisted
	10	53	
	–	18	Twisted
	–	52	
	1	Shield	
CH-3	4	16	Twisted
	11	50	
	2	15	Twisted
	9	49	
	7	14	Twisted
	14	48	
	6	13	Twisted
	13	47	
	–	12	Twisted
	–	46	

Table 35. CBL-4HDLC-DCE-X21 Cable Pinout (Cont.)

	DB-15 Connector Pin	SCSI-68 Connector Pin	
CH-3 (Cont.)	5	11	Twisted
	12	45	
	3	10	Twisted
	10	44	
	—	9	Twisted
	—	43	
	1	Shield	
	8	17	Twisted
CH-4	8	51	Twisted
	4	8	Twisted
	11	42	
	2	7	Twisted
	9	41	
	7	6	Twisted
	14	40	
	6	5	Twisted
	13	39	
	—	4	Twisted
	—	38	
	5	3	Twisted
	12	37	
	3	2	Twisted
	10	36	
	—	1	Twisted
	—	35	
	1	Shield	

CBL-4HDLC-DCE-530

Splitter cable for connecting the ACE-101 frame forwarding modules to the HDLC equipment with RS-530 interface. The CBL-4HDLC-DCE-530 cable includes one SCSI-68 male and four DB-25 female connectors.

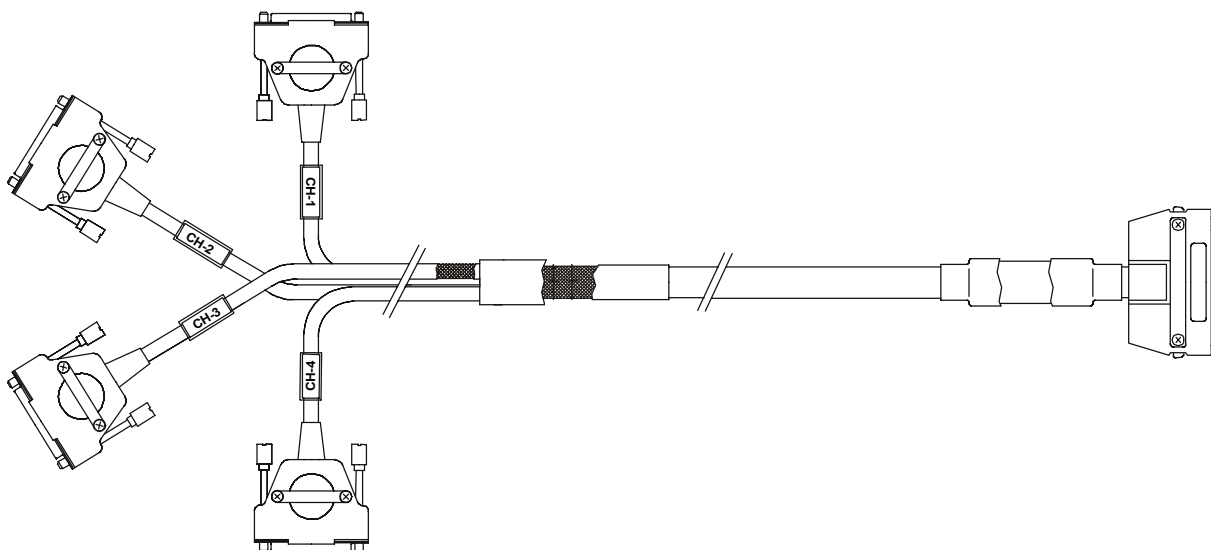


Figure 92. CBL-4HDLC-DCE-530 Cable

Table 36. CBL-4HDLC-DCE-530 Cable Pinout

	DB-25 Connector Pin	SCSI-68 Connector Pin	
CH-1	3	34	Twisted
	16	68	
	2	33	Twisted
	14	67	
	17	32	Twisted
	9	66	
	15	31	Twisted
	12	65	
	24	30	Twisted
	11	64	
	5	29	Twisted
	13	63	
	4	28	Twisted
	19	62	
	8	27	Twisted
	10	61	

Table 36. CBL-4HDLC-DCE-530 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin	
CH-1 (Cont.)	1	Shield	
	20, 6	–	
	20, 23	–	
	7	26	Twisted
CH-2	7	60	
	3	25	Twisted
	16	59	
	2	24	Twisted
	14	58	
	17	23	Twisted
	9	57	
	15	22	Twisted
	12	56	
	24	21	Twisted
	11	55	
	5	20	Twisted
	13	54	
	4	19	Twisted
	19	53	
	8	18	Twisted
	10	52	
	1	Shield	
	20, 6	–	
	22, 23	–	
CH-3	3	16	Twisted
	16	50	
	2	15	Twisted
	14	49	
	17	14	Twisted
	9	48	
	15	13	Twisted
	12	47	

Table 36. CBL-4HDLC-DCE-530 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin	
CH-3 (Cont.)	24	12	Twisted
	11	46	
	5	11	Twisted
	13	45	
	4	10	Twisted
	19	44	
	8	9	Twisted
	10	43	
	1	Shield	
	20, 6	—	
	22, 23	—	
	7	17	Twisted
CH-4	7	51	Twisted
	3	8	
	16	42	Twisted
	2	7	
	14	41	Twisted
	17	6	
	9	40	Twisted
	15	5	
	12	39	Twisted
	24	4	
	11	38	Twisted
	5	3	
	13	37	Twisted
	4	2	
	19	36	Twisted
	8	1	
	10	35	Twisted
	1	Shield	
	20, 6	—	
	22, 23		

CBL-4HDLC-DCE-V35

Splitter cable for connecting ACE-101 frame forwarding modules to the HDLC equipment with V.35 interface. The CBL-4HDLC-DCE-V35 cable includes one SCSI-68 male and four 34-pin female connectors.

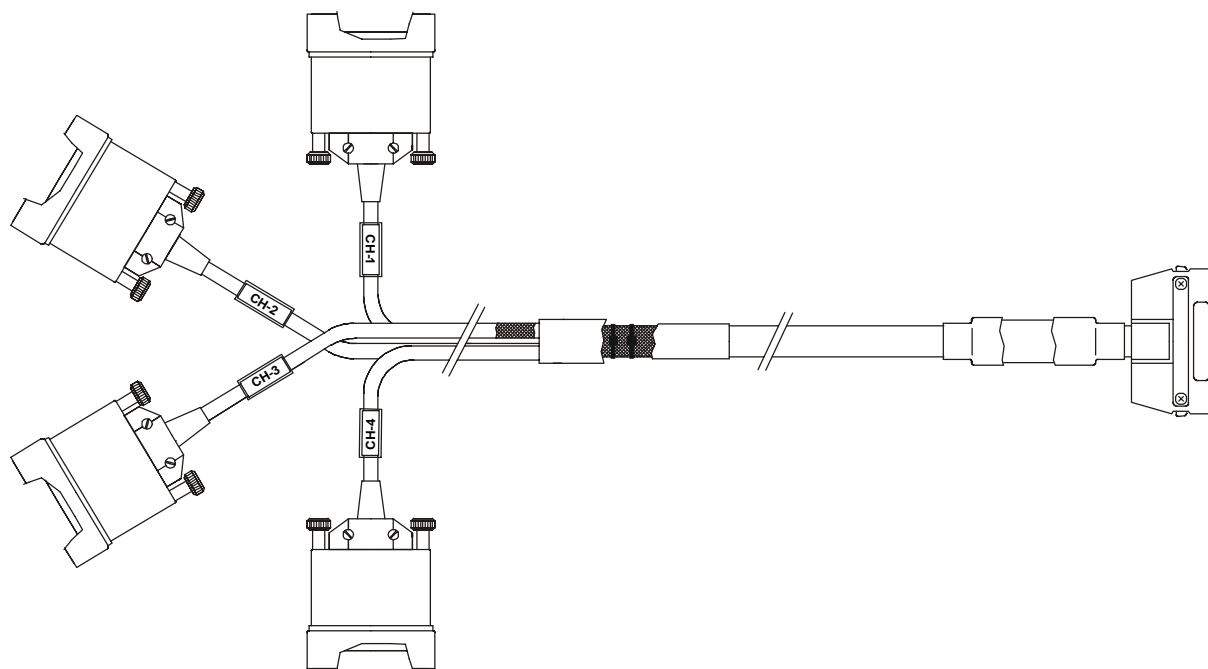


Figure 93. CBL-4HDLC-DCE-V35 Cable

Table 37. CBL-4HDLC-DCE-V35 Cable Pinout

	34-pin Connector Pin	SCSI-68 Connector Pin	
CH-1	R	34	Twisted
	T	68	
	P	33	Twisted
	S	67	
	V	32	Twisted
	X	66	
	Y	31	Twisted
	AA	65	
	U	30	Twisted
	W	64	
	D	29	Twisted
	–	63	
	C	28	Twisted
	–	62	

Table 37. CBL-4HDLC-DCE-V35 Cable Pinout (Cont.)

	34-pin Connector Pin	SCSI-68 Connector Pin	
CH-1 (Cont.)	F	27	Twisted
	–	61	
	A	Shield	
	E, H	–	
	B	26	Twisted
CH-2	B	60	Twisted
	R	25	Twisted
	T	59	
	P	24	Twisted
	S	58	
	V	23	Twisted
	X	57	
	Y	22	Twisted
	AA	56	
	U	21	Twisted
	W	55	
	D	20	Twisted
	–	54	
	C	19	Twisted
	–	53	
	F	18	Twisted
	–	52	
	A	Shield	
	E, H	–	
CH-3	R	16	Twisted
	T	50	
	P	15	Twisted
	S	49	
	V	14	Twisted
	X	48	
	Y	13	Twisted
	AA	47	

Table 37. CBL-4HDLC-DCE-V35 Cable Pinout (Cont.)

	34-pin Connector Pin	SCSI-68 Connector Pin	
	U	12	Twisted
	W	46	
	D	11	Twisted
	–	45	
	C	10	Twisted
	–	44	
	F	9	Twisted
	–	43	
	A	Shield	
	E, H	–	
	B	17	Twisted
CH-4	B	51	Twisted
	R	8	Twisted
	T	42	
	P	7	Twisted
	S	41	
	V	6	Twisted
	X	40	
	Y	5	Twisted
	AA	39	
	U	4	Twisted
	W	38	
	D	3	Twisted
	–	37	
	C	2	Twisted
	–	36	
	F	1	Twisted
	–	35	
	A	Shield	
	E, H	–	

CBL-TINY-B/R-X21

Adapter cable for connecting WAN interface of TinyRouter or TinyBridge to X.21 equipment. The CBL-TINY-B/R-X21 cable includes female DB-25 and DB-15 male or female connectors. The pinout of the male and female cables is the same.

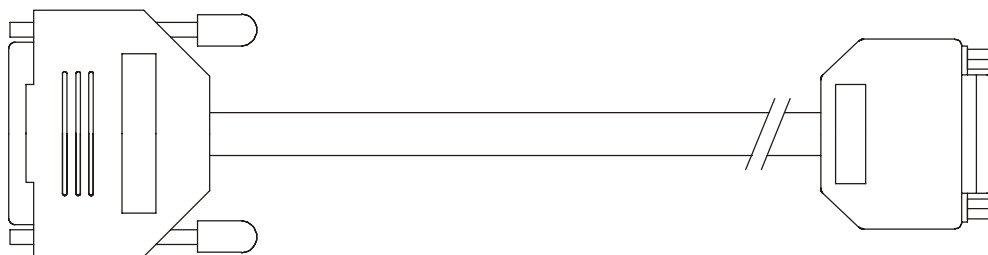



Figure 94. CBL-TINY-B/R-X21 Cable

Table 38. CBL-TINY-B/R-X21 Cable Pinout

DB-25 Connector Pin		DB-15 Connector Pin	
1		1	
7		8	
Twisted	4, 5	3	
	19, 13	10	
Twisted	3	4	
	16	11	
		$270 \times$ (Ω)	
			
		5	
		12	
Twisted	17	6	
	9	13	
Twisted	15	6	
	12	13	
Twisted	2	2	
	14	9	

CBL-ISDN-S

Cable for connecting to ISDN equipment. The CBL-ISDN-S cable includes two RJ-45 connectors.



Figure 95. CBL-ISDN-S Cable

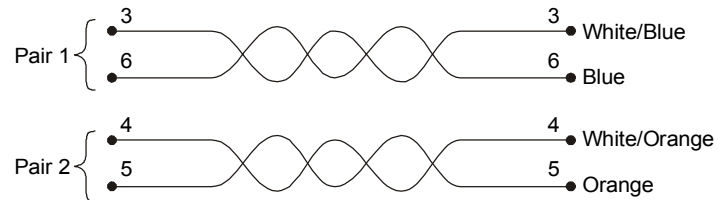


Figure 96. CBL-ISDN-S Cable Pinout

CBL-DB9/DB9/NULL

Cross cable with two DB-9 female connectors.

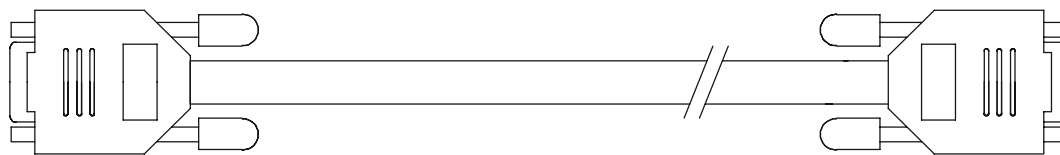


Figure 97. CBL-DB9/DB9/NULL Cable

Table 39. CBL-DB9/DB9/NULL Cable Pinout

DB-9 Connector Pin	DB-9 Connector Pin
1, 4, 6	–
–	1, 4, 6
2	3
3	2
5	5
7, 8	–
–	7, 8
9	9

CBL-DC-3WL/F

Power cable for connecting DC power supply source to the 3-pin DC power input connector. The CBL-DC-3WL/F cable includes one D-type 3-pin connector.

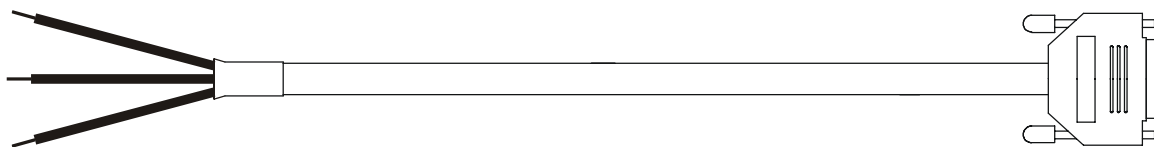


Figure 98. CBL-DC-3WL/F Cable

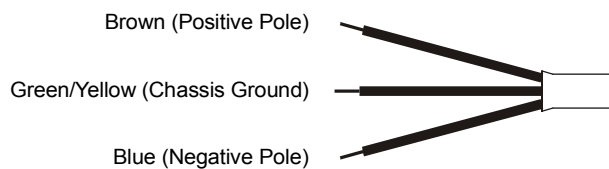


Figure 99. CBL-DC-3WL/F Cable Pinout

CBL-MX/V.24/CROSS

MAXcess-30/300 cross cable for connection between two V.24 DCE/DTE ports. The CBL-MX/V.24/CROSS cable includes two 25-pin male or female connectors.

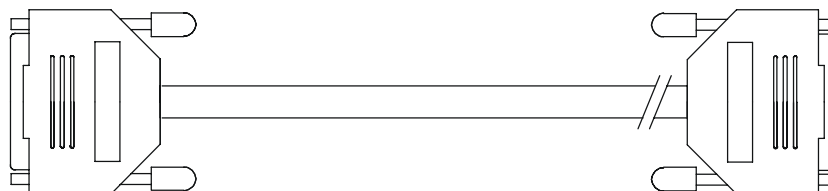


Figure 100. CBL-MX/V.24/CROSS Cable

DB-25	DB-25
1	1
2	3
3	2
4	8
8	4
17	24
24	17
7	7
6	20
20	6
11	15
15	11
5	18
25	21
18	5
21	25

Figure 101. CBL-MX/V.24/CROSS/M Cable Pinout

CBL-8H

Adapter cable with DB-25 male and 34-pin male or female connectors. The pinout of the male and female cables is the same.

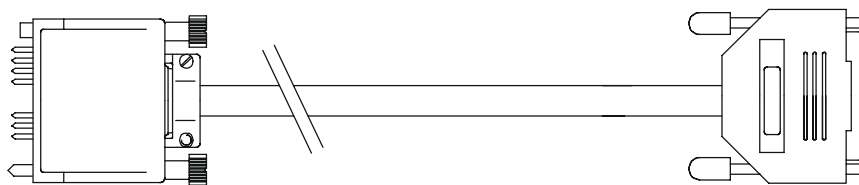


Figure 102. CBL-8H/M Cable

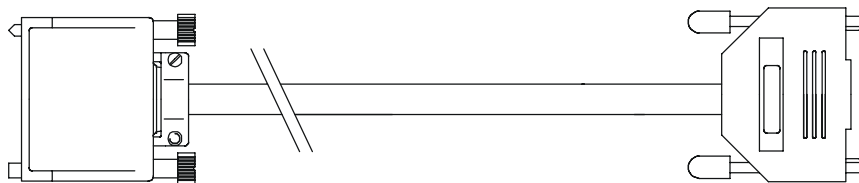


Figure 103. CBL-8H/F Cable

Table 40. CBL-8H Cable Pinout

34-pin Connector Pin	DB-25 Connector Pin	
S	14	Twisted
P	2	
R	3	Twisted
T	16	
V	17	Twisted
X	9	
W	11	Twisted
U	24	
AA	12	Twisted
Y	15	
A	1	Twisted
kk	25	
C	4	Twisted
jj	18	
E	6	Twisted
F	8	
hh	21	Twisted
B	7	
D	5	Twisted
H	20	

CBL-8H/X21

Adapter cable with DB-25 male and DB-15 male or female connectors. The pinout of the male and female cables is the same.

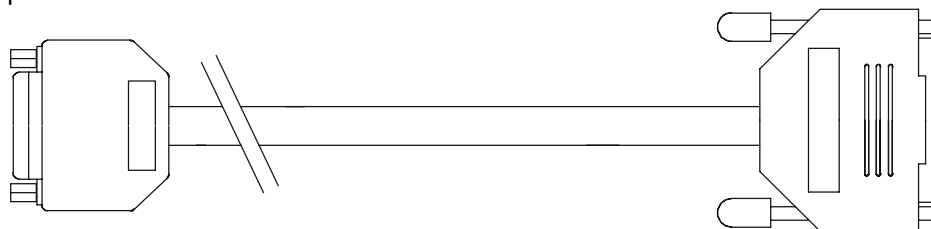


Figure 104. CBL-8H/X21 Cable

Table 41. CBL-8H/X21 Cable Pinout

DB-15 Connector Pin	DB-25 Connector Pin
1	1
9	14
2	2
4	3
11	16
3	4
6	17
13	9
5	8
12	10
10	19
8	7

CBL-RJ45/D25/STR

Straight cable with RJ-45 male and DB-25 male or female connectors. The pinout of the male and female cables is the same.

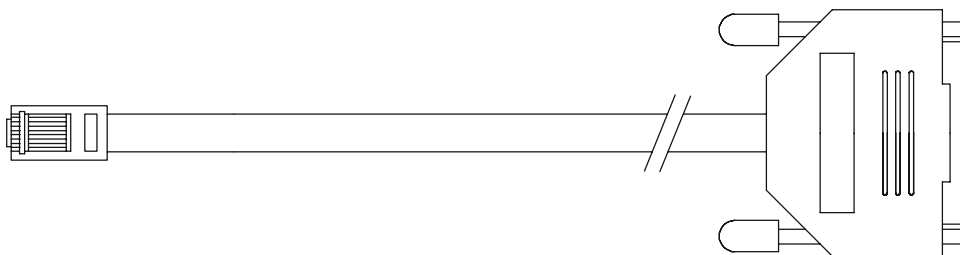


Figure 105. CBL-RJ45/D25/STR Cable

Table 42. CBL-RJ45/D25/STR Cable Pinout

RJ-45 Connector Pin	DB-25 Connector Pin
1	1
5	2
3	3
2	4
8	5
7	7
4	8
6	20

CBL-V.35/V.35

Straight cable for V35 interface equipment. This cable may include two male, two female or one male and one female 34-pin connectors.

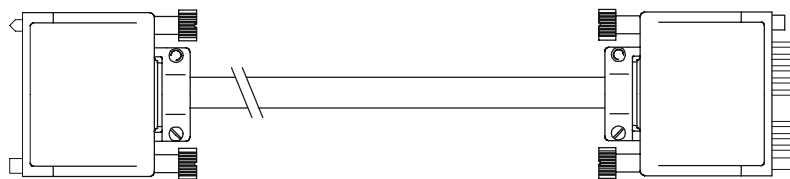


Figure 106. CBL-V.35F/V.35M Cable

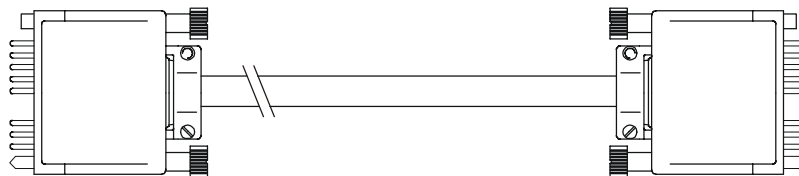


Figure 107. CBL-V.35M/V.35M Cable

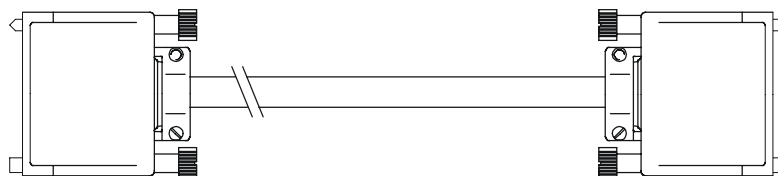


Figure 108. CBL-V.35F/V.35F Cable

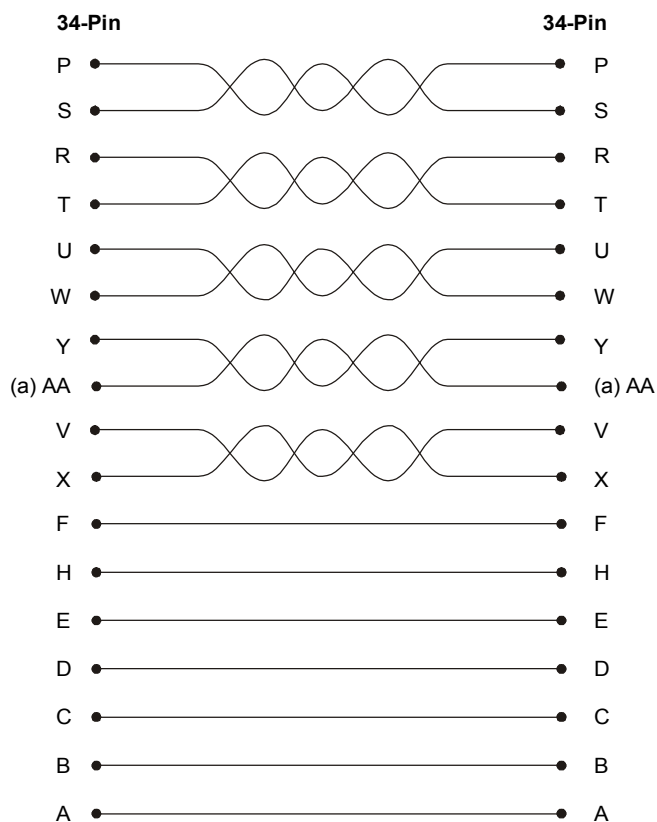


Figure 109. CBL-V.35/V.35 Cable Pinout

CBL-RJ45/D9/M/CRS

Cross cable with RJ-45 male and DB-9 male connectors.

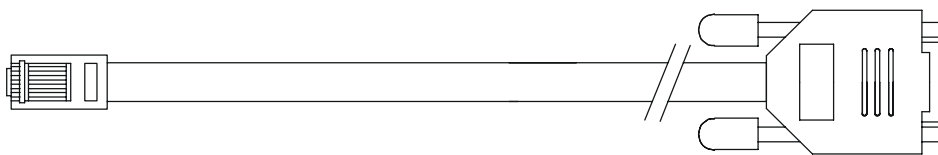


Figure 110. CBL-RJ45/D9/M/CRS Cable

Table 43. CBL-RJ45/D9/M/CRS Cable Pinout

RJ-45 Connector Pin	DB-9 Connector Pin
3	3
5	2
1	–
7	5
8	7
2	8
6	1
4	4

CBL-RJ45/D9/M/STR

Straight cable with RJ-45 male and DB-9 male connectors.

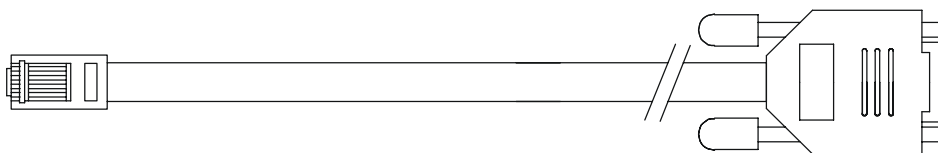


Figure 111. CBL-RJ45/D9/M/STR Cable

Table 44. CBL-RJ45-D25/M/STR Cable Pinout

RJ-45 Connector Pin	DB-9 Connector Pin
3	2
5	3
7	5
8	8
2	7
6	4
4	1

CBL-RJ45-D25/F/SI

Cable for APS-10/Siemens. This cable includes RJ-45 male and DB-25 female connectors.



Figure 112. CBL-RJ45-D25/F/SI Cable

Table 45. CBL-RJ45-D25/F/SI Cable Pinout

RJ-45 Connector Pin	DB-25 Connector Pin
1	1
5	2
3	3
2	4
8	5
7	7
4	8
6	20

CBL-SPS-V.24

Splitter cable for SPS-2HS and SPS-3HS with V.24 interface. The CBL-SPS-V.24 cable includes DB-25 female connector for the main link and two DB-25 male connectors for link 2 and link 3.

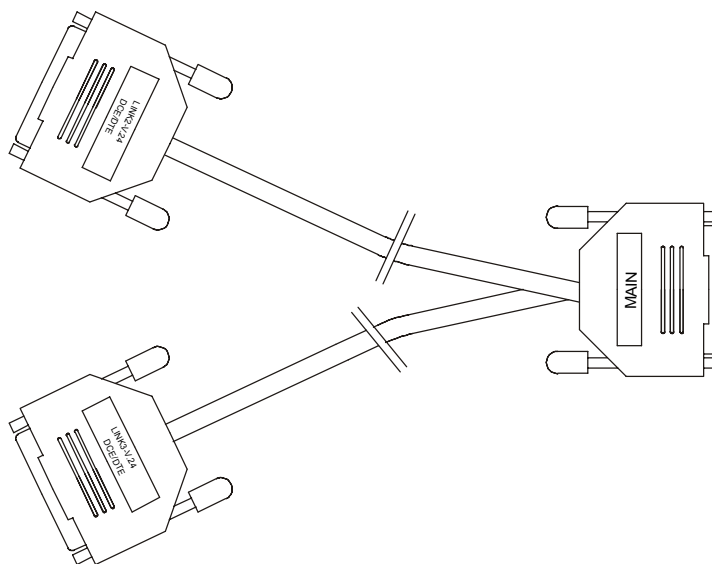


Figure 113. CBL-SPS-V.24 Cable

Table 46. CBL-SPS-V.24 Cable Pinout, Main Link and Link 2

Main Link Connector Pin	Link 2 Connector Pin	Wire Color
1	1	Brown
2	2	Red
3	3	Orange
4	4	Yellow
5	5	Green
6	6	Blue
7	7	Purple
8	8	Grey
9	9	White
10	10	Black
15	15	White/Green
17	17	White/Black
20	20	White/Red
24	24	White/Yellow

Table 47. CBL-SPS-V.24 Cable Pinout, Link 3

Link 3 Connector Pin		Wire Color
1	1	Brown
3	14	Red
2	16	Orange
4	19	Yellow
5	13	Green
6	21	Blue
7	7	Purple
8	12	Grey
15	11	White/Green
17	18	White/Black
20	25	White/Red
24	23	White/Yellow

CBL-SPS-V.35

Splitter cable for SPS-2HS and SPS-3HS with V.35 interface. The CBL-SPS-V.35 cable includes DB-25 female connector for the main link, one DB-25 male connector and V.35 female connector for DCE/DTE links.

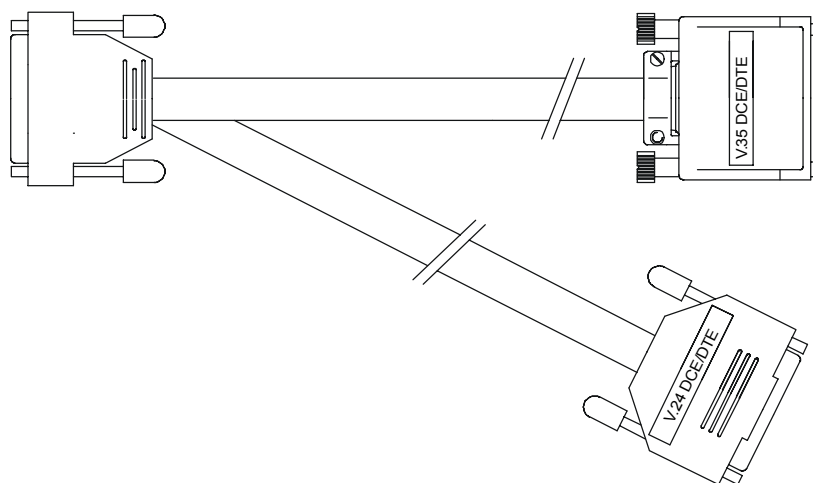


Figure 114. CBL-SPS-V.35 Cable

Table 48. CBL-SPS-V.35 Cable Pinout

V.24 DCE/DTE	V.35 DCE/DTE	Main Link	
	S	14	Twisted
	P	2	
	R	3	Twisted
	T	16	
	V	17	Twisted
	X	9	
	AA	12	Twisted
	Y	15	
1	A	1	
	C	4	
	E	6	
	F	8	
7	B	7	
	D	5	
	H	20	
20		10	
15		11	
24		13	

Table 48. CBL-SPS-V.35 Cable Pinout (Cont.)

V.24 DCE/DTE	V.35 DCE/DTE	Main Link
2		18
3		19
4		21
8		22
6		23
17		24
5		25

CBL-SPS-X.21

Splitter cable for SPS-2HS and SPS-3HS with X.21 interface. The CBL-SPS-X.21 cable includes DB-25 female connector for the main link, DB-25 female connector for the V.24 DCE/DTE and DB-15 female connector for X.21 DCE/DTE.

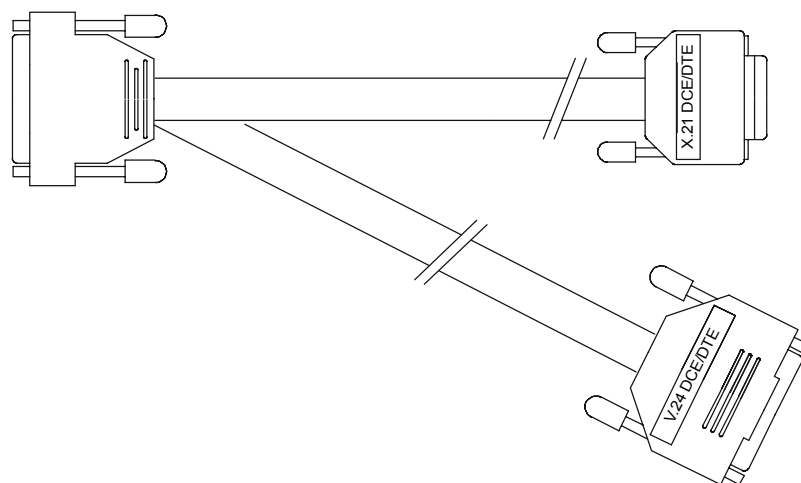


Figure 115. CBL-SPS-X.21 Cable

Table 49. CBL-SPS-X.21 Cable Pinout

V.24 DCE/DTE, DB-25 (F)	X.21 DCE/DTE, DB-15 (F)	Main Link, DB-25 (F)	
	9	14	Twisted
	2	2	
	4	3	Twisted
	11	16	
	6	17	Twisted
	13	9	
1	1	1	Twisted
	3	4	
3		6	
	5	8	
7	8	7	
20		20	
	12	10	
15		11	
24		13	
2		18	
	10	19	
4		21	

Table 49. CBL-SPS-X.21 Cable Pinout (Cont.)

V.24 DCE/DTE, DB-25 (F)	X.21 DCE/DTE, DB-15 (F)	Main Link, DB-25 (F)
8		22
6		23
17		24
5		25

CBL-SPS-CD

Splitter cable with the DB-25 female connector for the main link and two DB-25 male connectors for the synchronous and asynchronous sublinks.

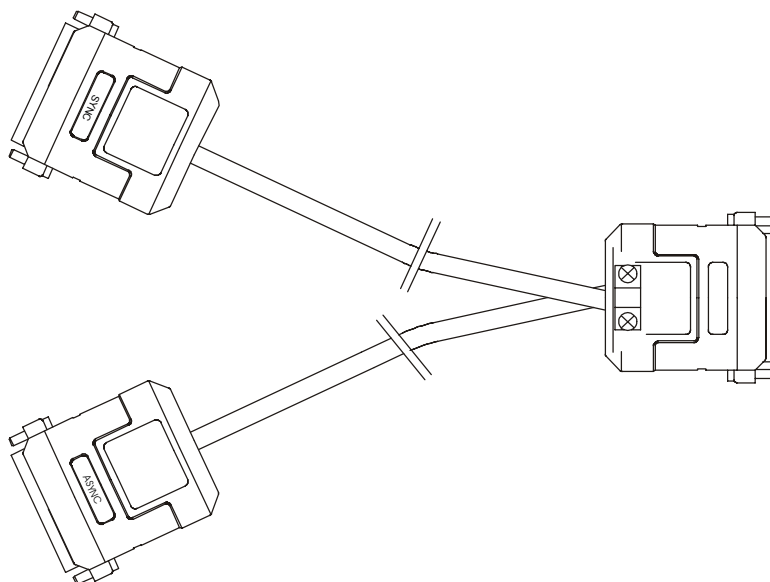


Figure 116. CBL-SPS-CD Cable

Table 50. CBL-SPS-CD Cable Pinout, Main Link and Synchronous Sublink 1

Main Link Connector Pin	Sync Sublink 1 Connector Pin	Wire Color
1	1	Brown
2	2	Red
3	3	Orange
4	4	Yellow
5	5	Green
6	6	Blue
7	7	Purple
8	8	Grey
9	9	White
10	10	Black
15	15	White/Green
17	17	White/Black
20	20	White/Red
24	24	White/Yellow

Table 51. CBL-SPS-CD Cable Pinout, Asynchronous Sublink 2

Async Sublink 2 Connector Pin		Wire Color
1	1	Brown
2	14	Red
3	16	Orange
4	19	Yellow
5	13	Green
6	6	Blue
7	7	Purple
8	12	Grey
20	25	White/Red
24	23	White/Yellow

CBL-SPD703/V.35T

Adapter cable for connecting SPD-703 to DTEs with V.35 interfaces. The CBL-SPD703/V.35T includes one DB-25 male and one 34-pin male or female connectors. The pinout of the male and female cables is the same.



Figure 117. CBL-SPD703/V.35T/M Cable



Figure 118. CBL-SPD703/V.35T/F Cable

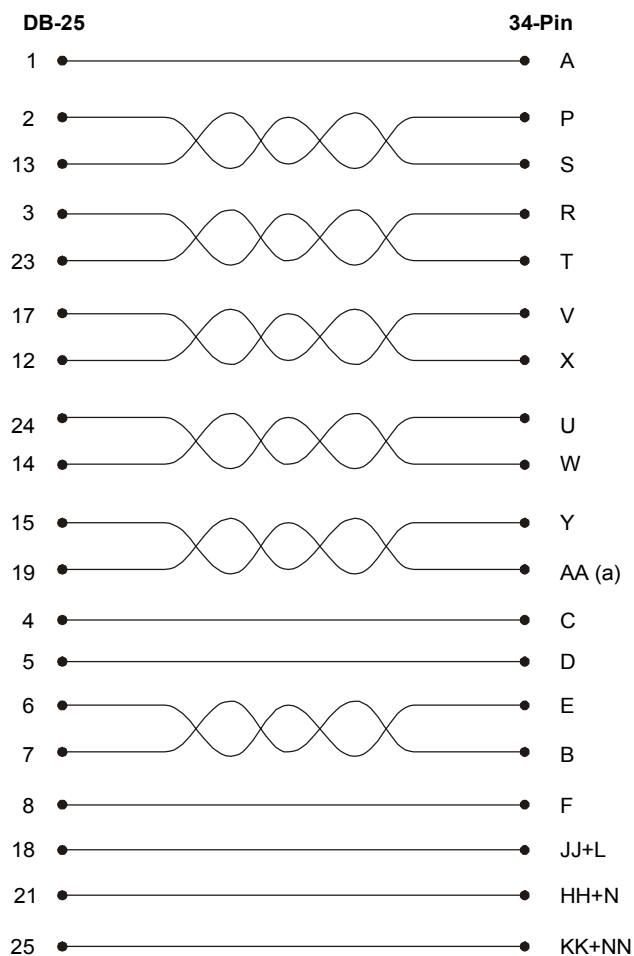


Figure 119. CBL-SPD703/V.35T Cable Pinout

CBL-SPD703/V.35C

Adapter cable for connecting SPD-703 to DCEs with V.35 interfaces. The CBL-SPD703/V.35C cable includes one DB-25 male and one 34-pin male or female connectors. The pinout of the male and female cables is the same.

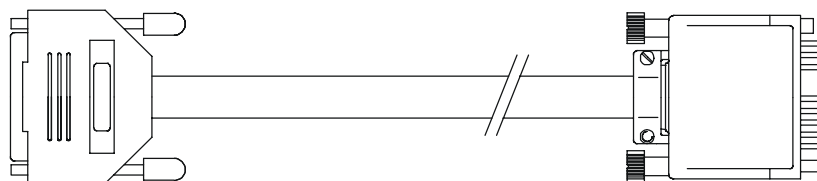


Figure 120. CBL-SPD703/V.35C/M Cable



Figure 121. CBL-SPD703/V.35C/F Cable

DB-25		34-Pin
8	•————•	C
4	•————•	F
3	•———•	P
23	•———•	S
2	•———•	R
13	•———•	T
24	•———•	V
14	•———•	X
1	•————•	A
7	•————•	B
17	•———•	U
12	•———•	W
6	•————•	H
18	•————•	JJ+L
21	•————•	HH+N
25	•————•	KK+NN

Figure 122. CBL-SPD703/V.35C Cable Pinout

CBL-SPD703/530T

Adapter cable for connecting SPD-703 to DTEs with RS-530 interfaces.
The CBL-SPD703/530T cable includes one DB-25 male and one DB-25 male or female connectors. The pinout of the male and female cables is the same.



Figure 123. CBL-SPD703/530T Cable

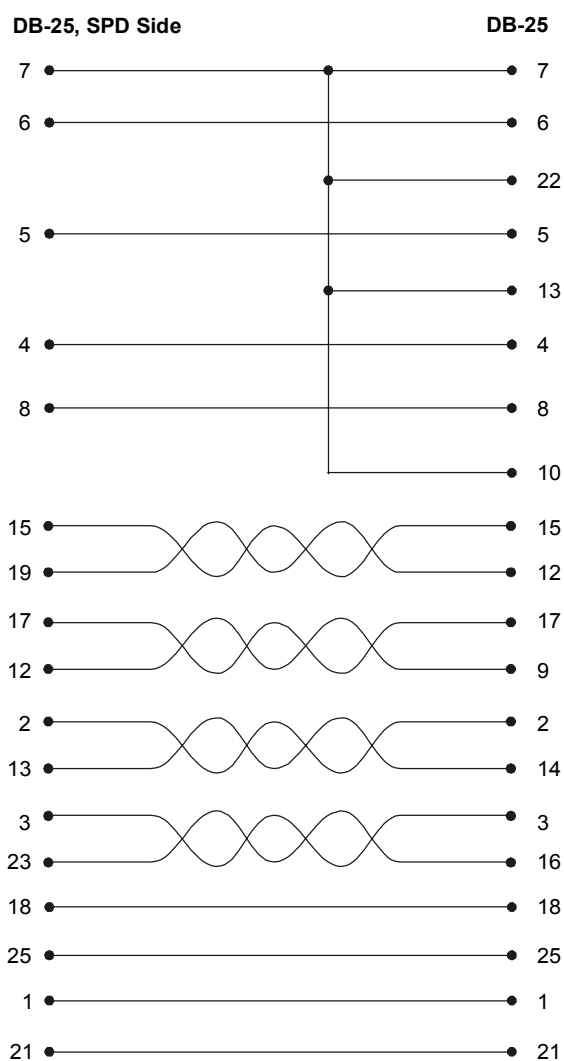


Figure 124. CBL-SPD703/530T Cable Pinout

CBL-SPD703/530C

Adapter cable for connecting SPD-703 to DCEs with RS-530 interfaces.
The CBL-SPD703/530C cable includes one DB-25 male and one DB-25 male or female connectors. The pinout of the male and female cables is the same.



Figure 125. CBL-SPD703/530C Cable

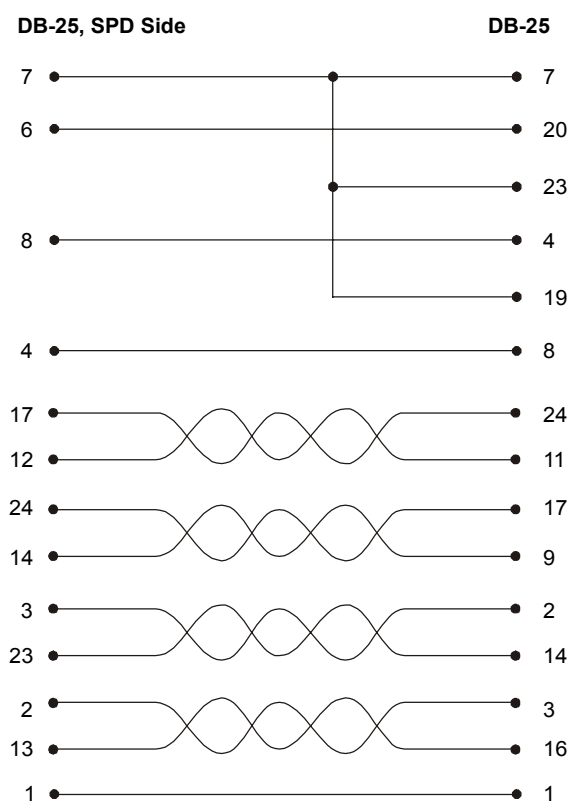


Figure 126. CBL-SPD703/530C Cable Pinout

CBL-SPD703/V36T

Adapter cable for connecting SPD-703 to DTEs with V.36 interfaces.
The CBL-SPD703/V36T cable includes one DB-25 male and one DB-37 male or female connectors. The pinout of the male and female cables is the same.

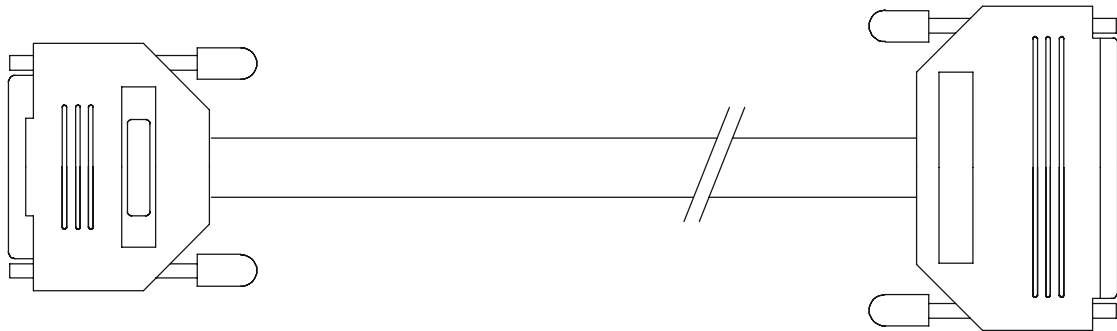


Figure 127. CBL-SPD703/V36T Cable

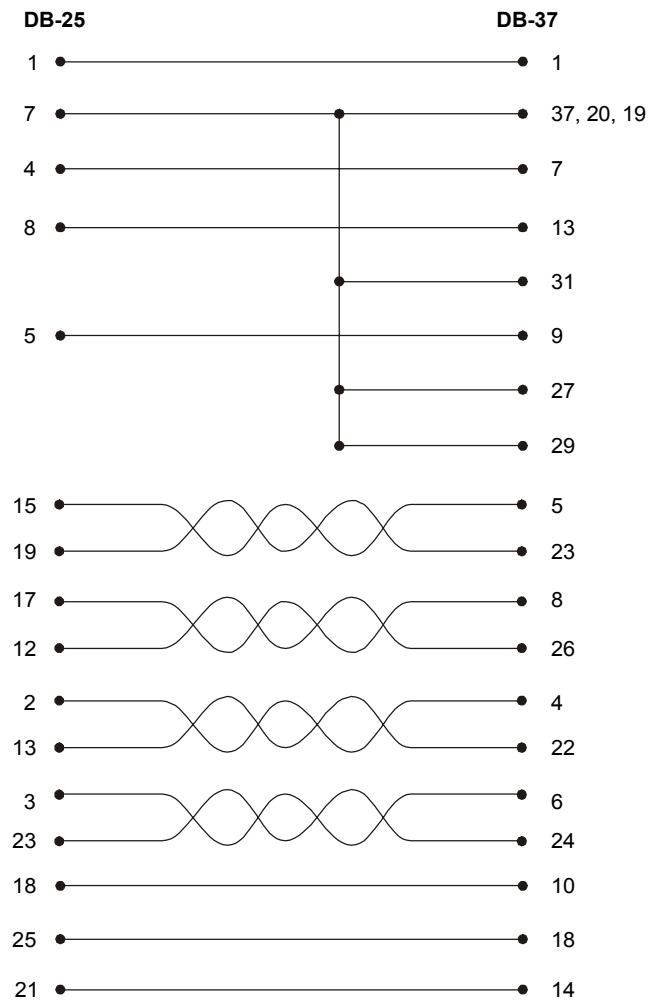


Figure 128. CBL-SPD703/V36T Cable Pinout

CBL-SPD703/V36C

Adapter cable for connecting SPD-703 to DCEs with V.36 interfaces.
The CBL-SPD703/V36C cable includes one DB-25 male and one DB-37 male or female connectors. The pinout of the male and female cables is the same.

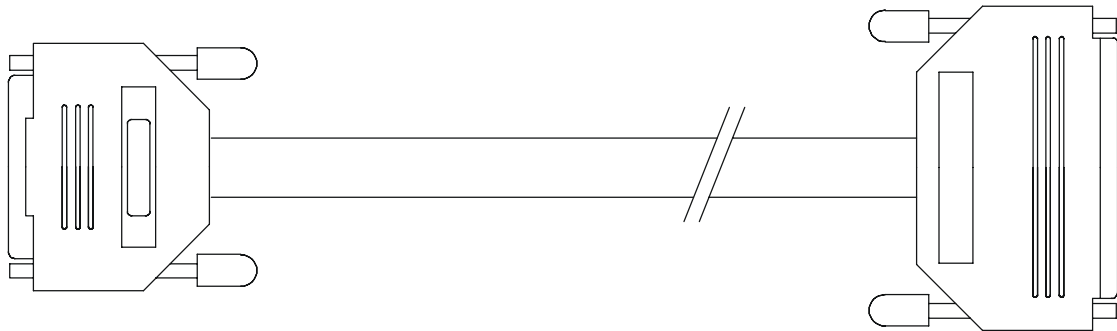


Figure 129. CBL-SPD703/V36C Cable

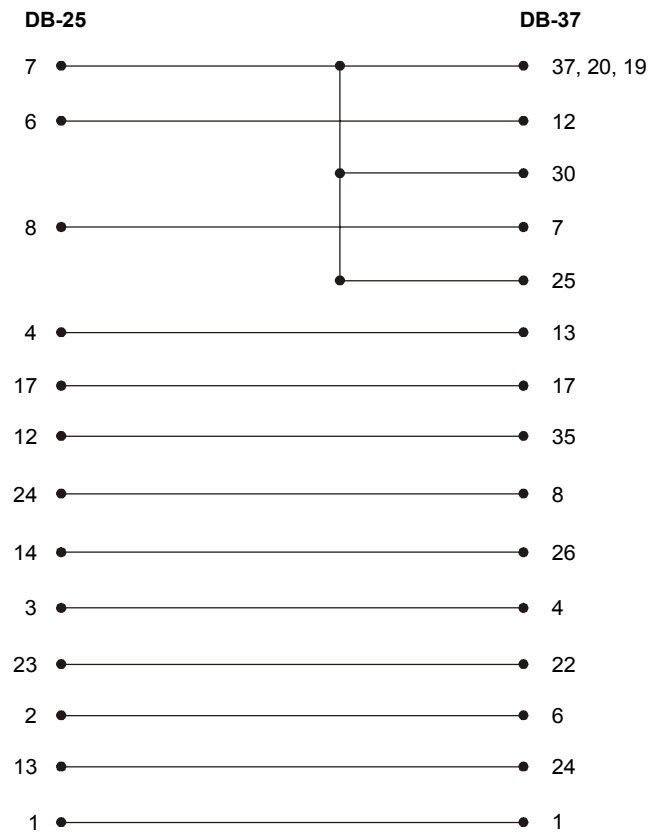


Figure 130. CBL-SPD703/V36C Cable Pinout

CBL-SPD703/X21T

Adapter cable for connecting SPD-703 to DTEs with X.21 interfaces.

The CBL-SPD703/X21T cable includes one DB-25 male and one DB-15 male or female connectors. The pinout of the male and female cables is the same.

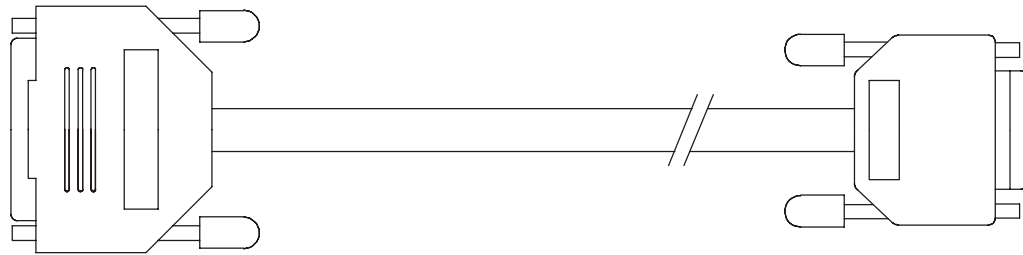


Figure 131. CBL-SPD703/X21T Cable

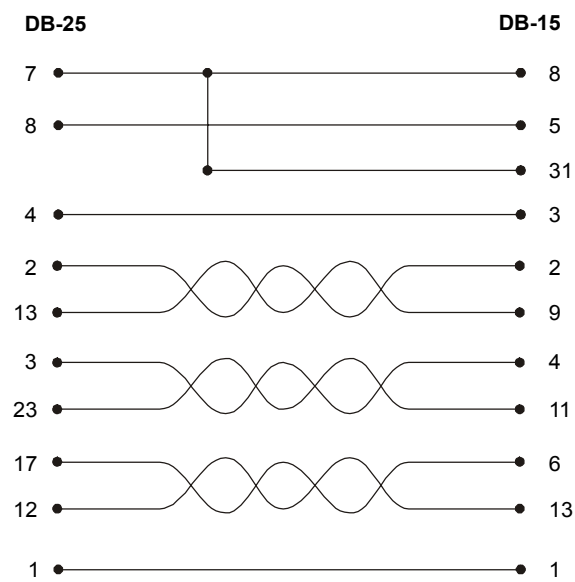


Figure 132. CBL-SPD703/X21T Cable Pinout

CBL-VC-PBX/LS6

Splitter cable for connecting the Megaplex VC-PBX module to the user equipment. The CBL-VC-PBX/LS6 cable includes six D-25 female and one SCSI-26 male connectors.

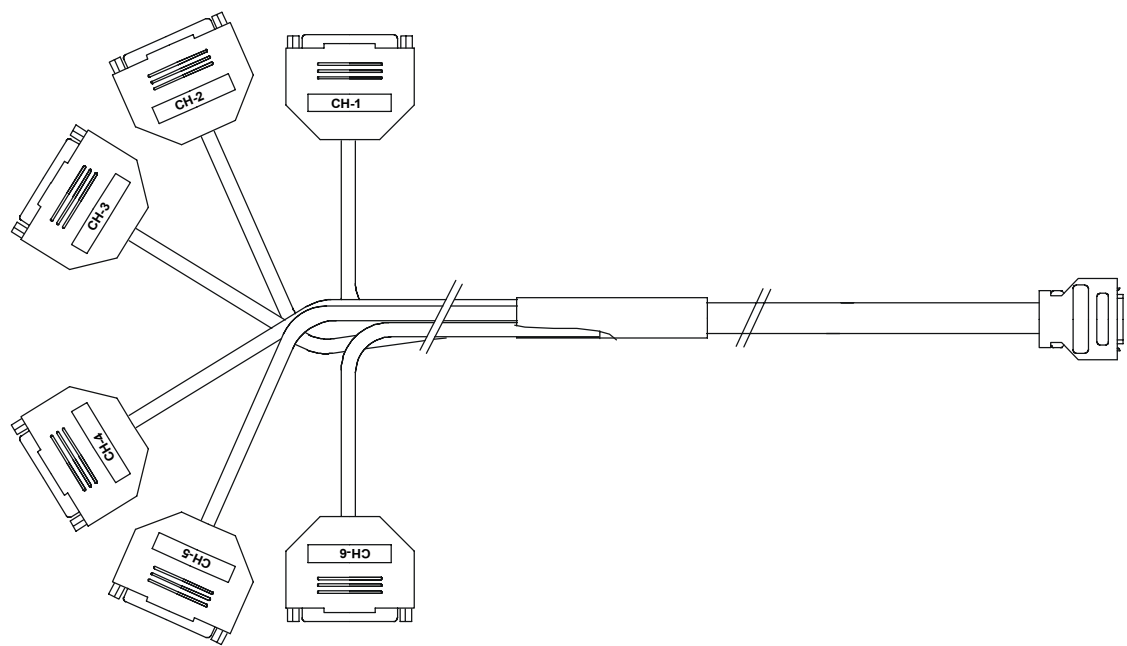


Figure 133. CBL-VC-PBX/LS6 Cable

Table 52. CBL-VC-PBX/LS6 Cable Pinout

	DB-25 Connector Pin	SCSI-26 Connector Pin
CH-1	3	1
	2	2
	15	3
	7	4
	4, 5, 20	–
CH-2	3	5
	2	6
	15	7
	7	8
	4, 5, 20	–
CH-3	3	9
	2	10
	15	11
	7	12
	4, 5, 20	–

Table 52. CBL-VC-PBX/LS6 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-26 Connector Pin
CH-4	3	14
	2	15
	15	16
	7	17
	4, 5, 20	–
CH-5	3	18
	2	19
	15	20
	7	21
	4, 5, 20	–
CH-6	3	22
	2	23
	15	24
	7	25
	4, 5, 20	–

CBL-VC16

Splitter cable for connecting the Megaplex VC-6/E&M module to user equipment. The CBL-VC16 cable includes six RJ-45 male and one TELCO-50 male connectors. Cable length is 2m (6.5 ft).

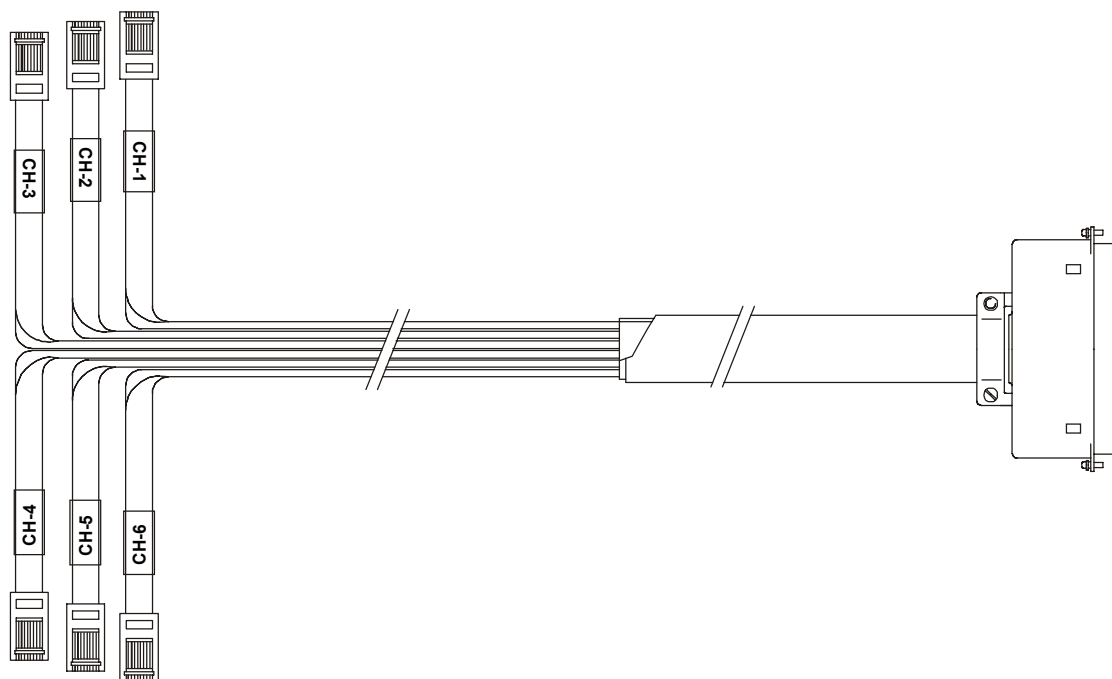


Figure 134. CBL-VC16 Cable

Table 53. CBL-VC16 Cable Pinout

	TELCO-50 Connector Pin	RJ-45 Connector Pin	TELCO-50 Connector Pin	RJ-45 Connector Pin
CH-1	1	7	26	4
	2	8	27	5
	3	1	28	3
	4	2	29	6
CH-2	5	7	30	4
	6	8	31	5
	7	1	32	3
	8	2	33	6
CH-3	9	7	34	4
	10	8	35	5
	11	1	36	3
	12	2	37	6

Table 53. CBL-VC16 Cable Pinout (Cont.)

	TELCO-50 Connector Pin	RJ-45 Connector Pin	TELCO-50 Connector Pin	RJ-45 Connector Pin
CH-4	13	7	38	4
	14	8	39	5
	15	1	40	3
	16	2	41	6
CH-5	17	7	42	4
	18	8	43	5
	19	1	44	3
	20	2	45	6
CH-6	21	7	46	4
	22	8	47	5
	23	1	48	3
	24	2	49	6

CBL-VC6

Splitter cable for connecting the old Megaplex VC-6 module to user equipment. The CBL-VC6 cable includes six male RJ-11 and one male DB-25 connectors.

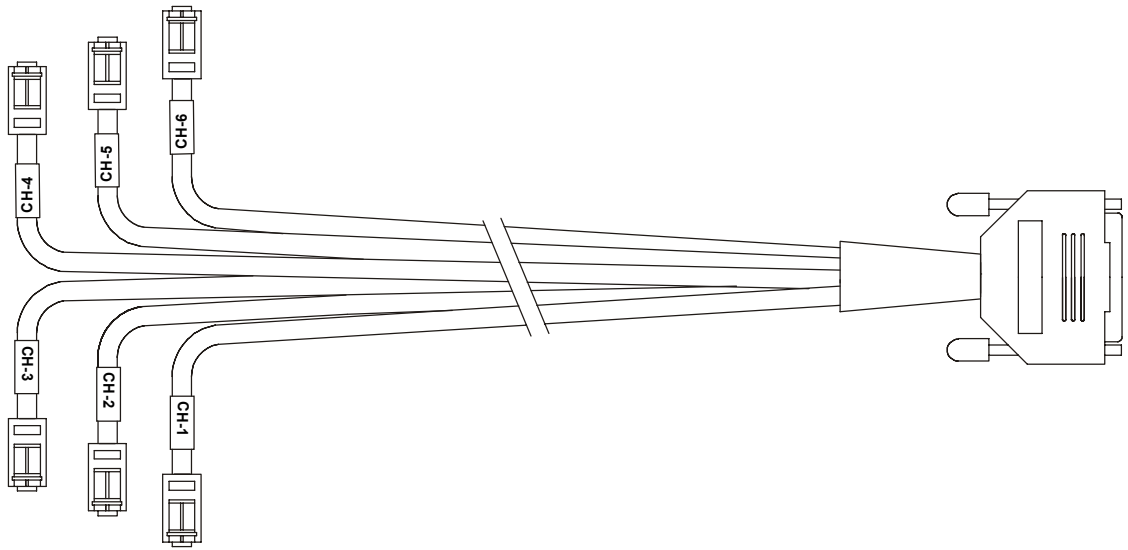


Figure 135. VC-6 Cable

Table 54. VC-6 Cable Pinout

	DB-25 Connector Pin	RJ-11 Connector Pin
CH-1	2	3 (green)
	15	2 (red)
CH-2	4	3
	17	2
CH-3	6	3
	19	2
CH-4	8	3
	21	2
CH-5	10	3
	23	2
CH-6	12	3
	25	2

CBL-LS201

Splitter cable for connecting each 44-pin connector of the Megaplex LS-2A module (4U) to user equipment. The CBL-LS201 cable includes five male DB-25 and one male 44-pin D-type connectors.

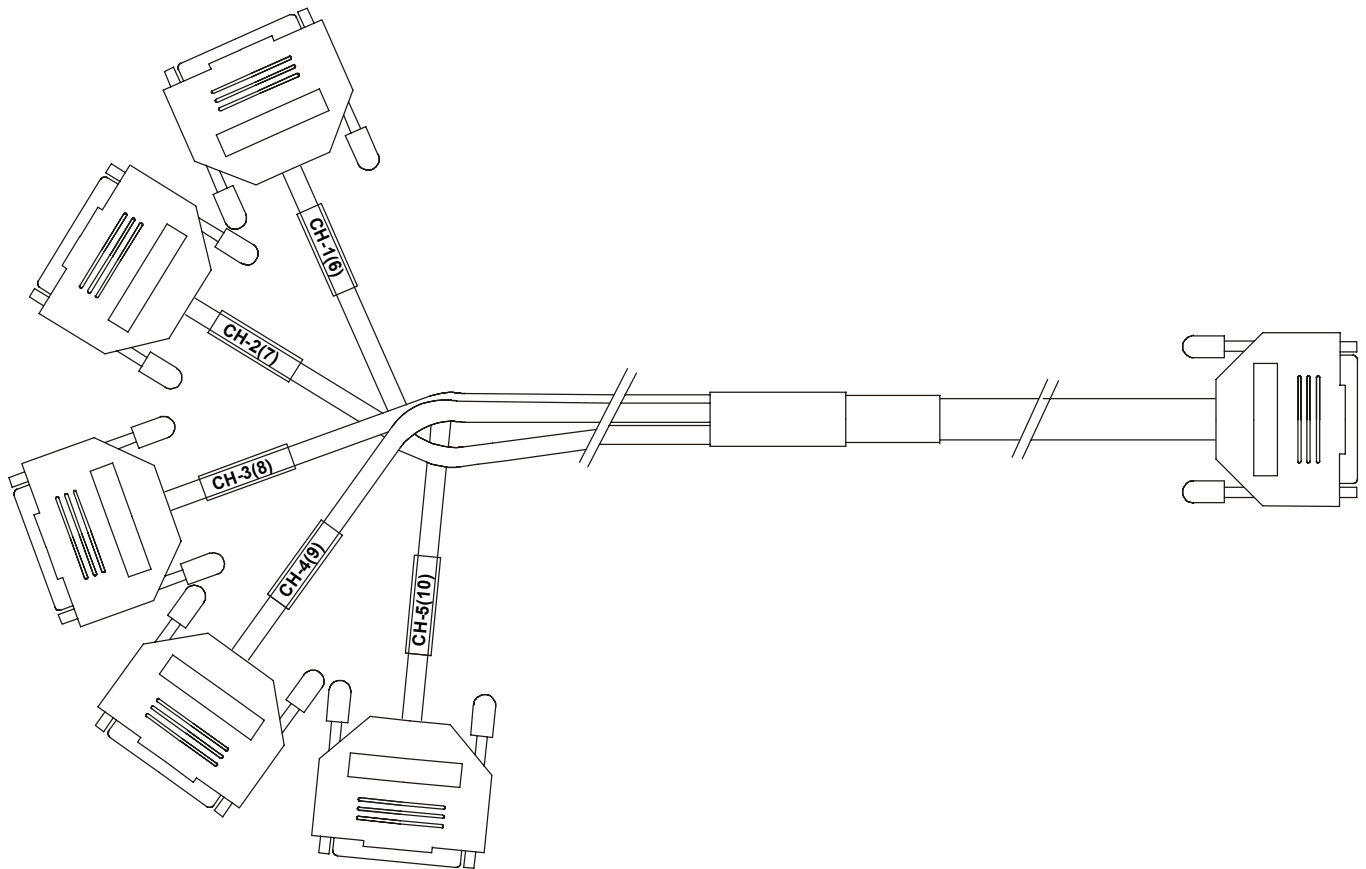


Figure 136. CBL-LS201 Cable

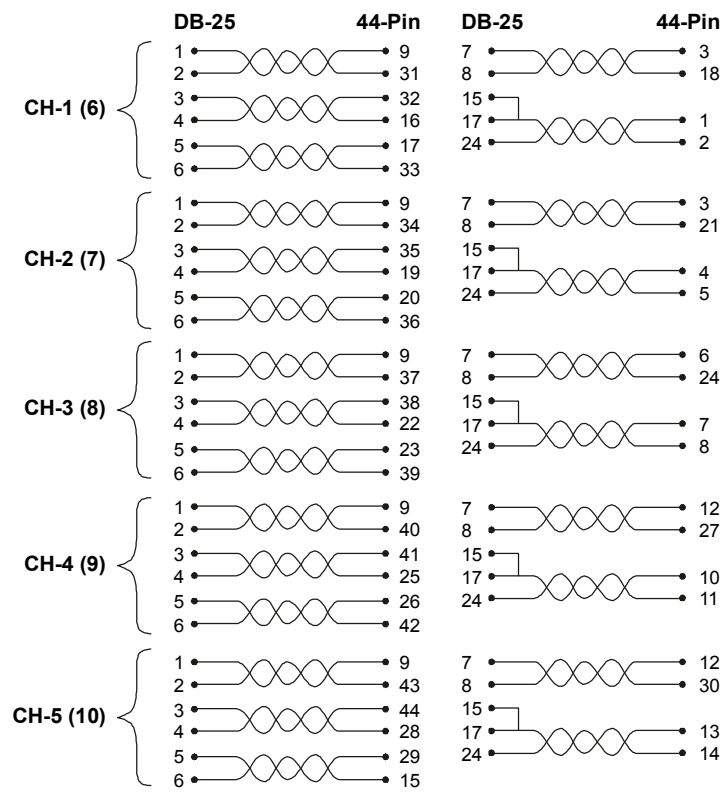


Figure 137. CBL-LS201 Cable Pinout

CBL-LS202

Splitter cable for connecting 68-pin connector of the Megaplex LS-2A module (6U) to user equipment. The CBL-LS202 cable includes five female DB-25 and one male 68-pin SCSI connectors.

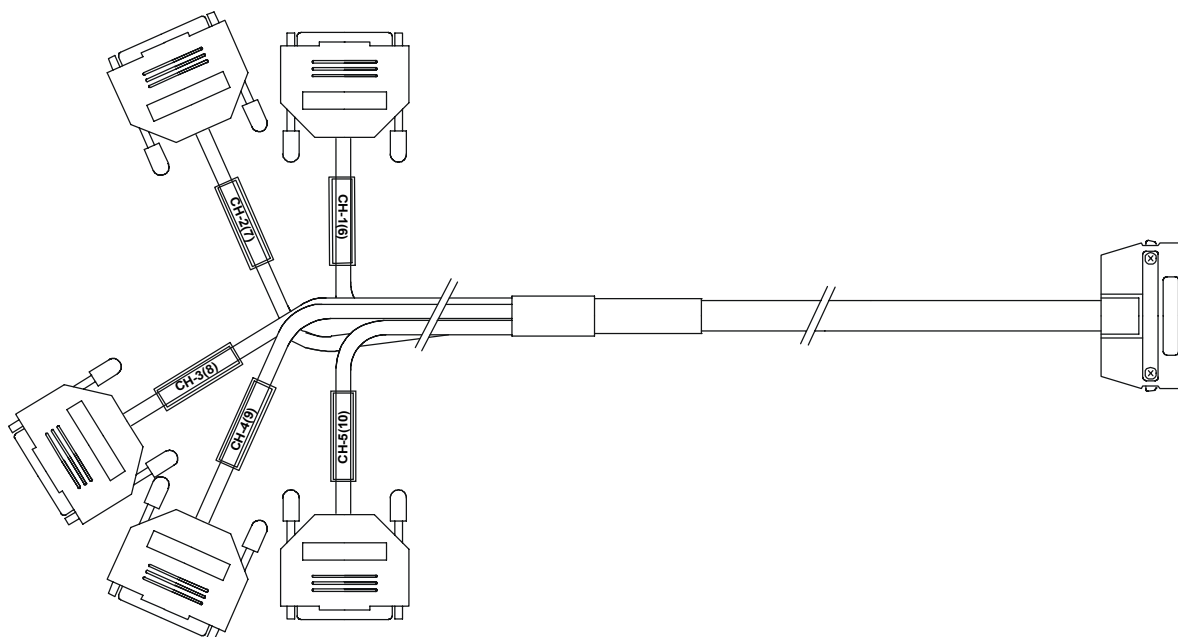


Figure 138. CBL-LS202 Cable

Table 55. CBL-LS202 Cable Pinout

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-1 (6))	1	1	CH-2 (7)	1	8
	2	2		2	9
	3	38		3	45
	4	37		4	44
	5	6		5	13
	6	5		6	12
	7	35		7	42
	8	4		8	11
	15	39		15	46
	17	36		17	43
	20	40		20	47
	24	3		24	10

Table 55. CBL-LS202 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-3 (8))	1	15	CH-4 (9)	1	22
	2	16		2	23
	3	52		3	59
	4	51		4	58
	5	20		5	27
	6	19		6	26
	7	49		7	56
	8	18		8	25
	15	53		15	60
	17	50		17	57
	20	54		20	61
	24	17		24	24
CH-5 (10)	1	29			
	2	30			
	3	66			
	4	65			
	5	34			
	6	33			
	7	63			
	8	32			
	15	67			
	17	64			
	20	68			
	24	31			

CBL-LS203

Splitter cable for connecting each 44-pin connector of the Megaplex LS-2A module (4U) to the user DCE equipment. The CBL-LS203 cable includes five male DB-25 and one male 44-pin D-type connectors.

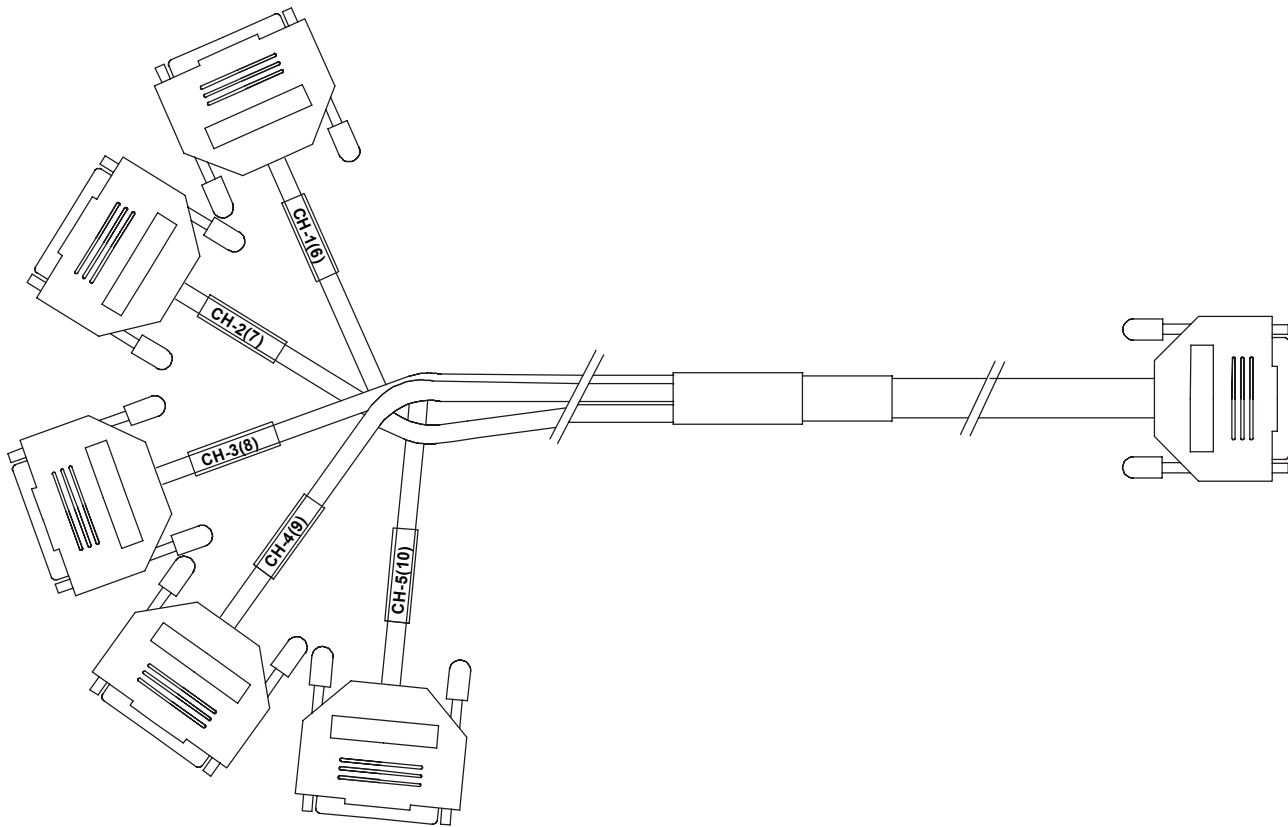


Figure 139. CBL-LS203 Cable

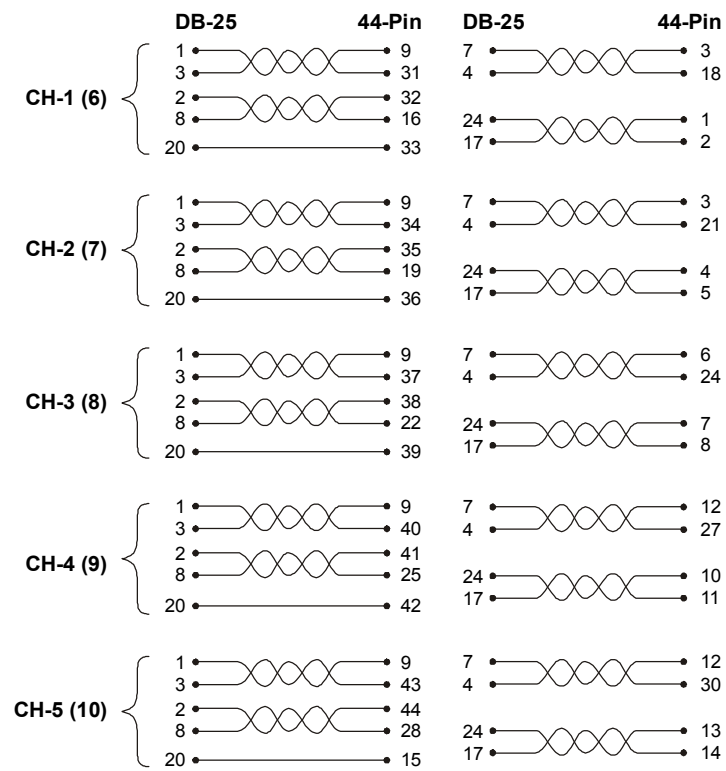


Figure 140. CBL-LS203 Cable Pinout

CBL-LS6

Splitter cable for connecting the Megaplex LS-6 module to individual DTEs.
The CBL-LS6 cable includes six male DB-25 and one male SCSI-68 connectors.
Cable length is 2m (6.5 feet).

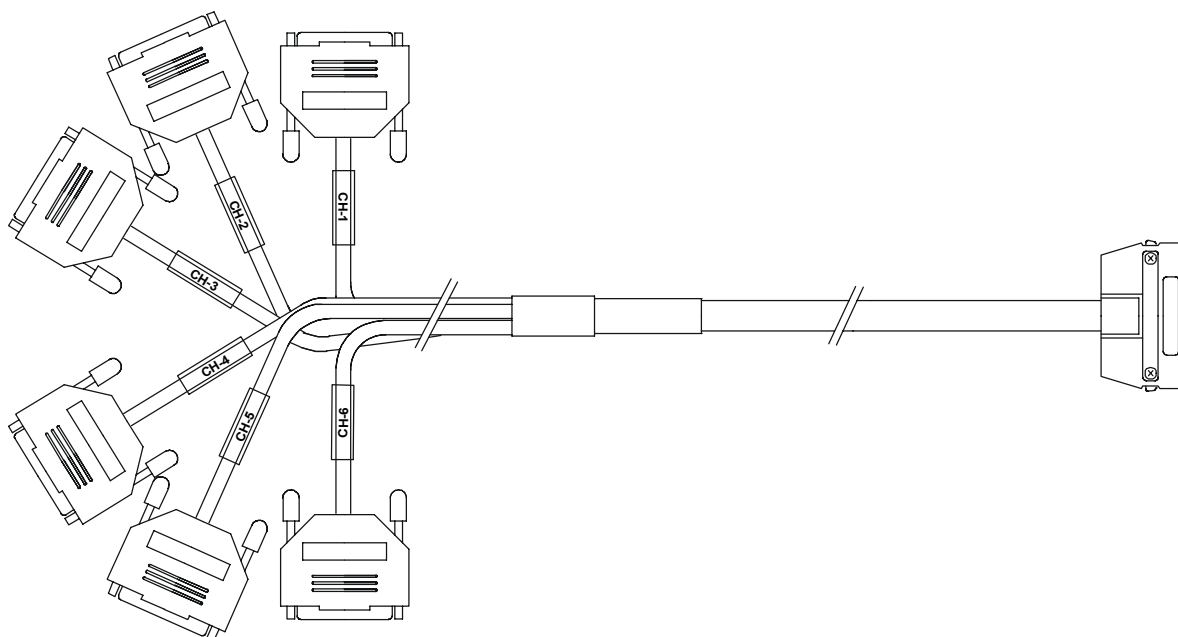


Figure 141. CBL-LS6 Cable

Table 56. CBL-LS6 Cable Pinout

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-1	2	1	CH-2	2	1
	3	2		3	12
	24	3		24	13
	15, 17	4		15, 17	14
	4	5		4	15
	5	6		5	16
	20	7		20	17
	8	8		8	18
	6	9		6	19
	7	10		7	20

Table 56. CBL-LS6 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-3	2	21	CH-4	2	31
	3	22		3	32
	24	23		24	33
	15, 17	24		15, 17	34
	4	25		4	35
	5	26		5	36
	20	27		20	37
	8	28		8	38
	6	29		6	39
	7	30		7	10
CH-5	2	41	CH-6	2	51
	3	42		3	52
	24	43		24	53
	15, 17	44		15, 17	54
	4	45		4	55
	5	46		5	56
	20	47		20	57
	8	48		8	58
	6	49		6	59
	7	60		7	60

CBL-LS12

Splitter cable for connecting the Megaplex LS-12 module to individual DTEs. The CBL-LS6 cable includes six male or female DB-25 and one male SCSI-68 connectors. Cable length is 2m (6.5 feet).

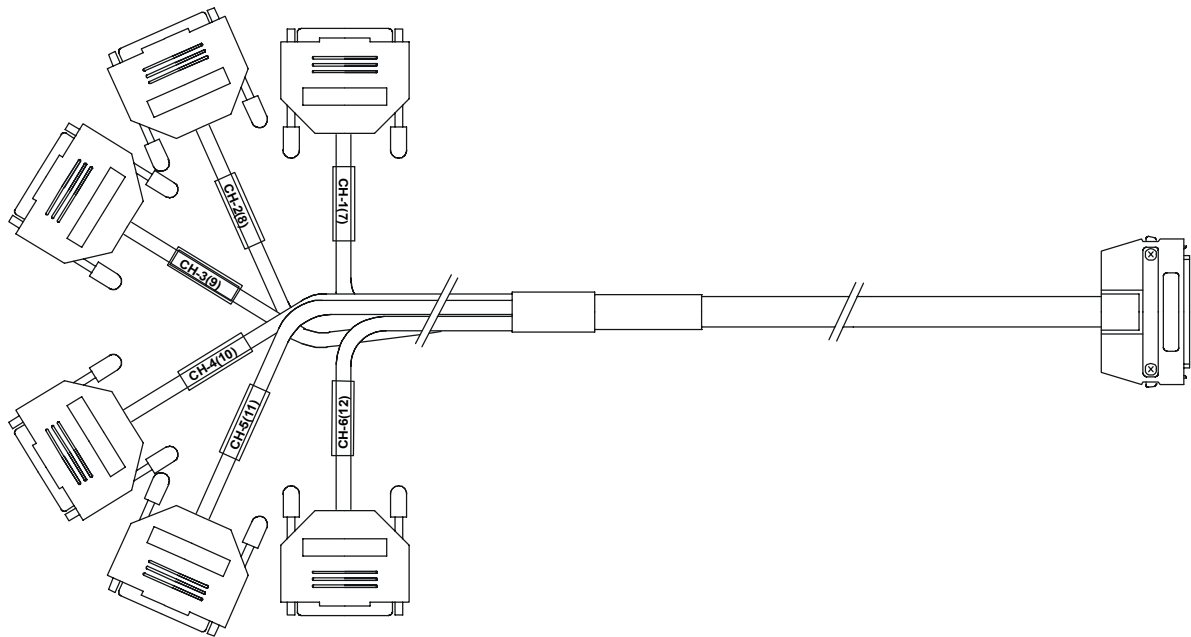


Figure 142. CBL-LS12 Cable

Table 57. CBL-LS12 Cable Pinout

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-1 (7)	1	1	CH-2 (8)	1	1
	2	2		2	7
	3	37		3	43
	4	36		4	42
	5	6		5	11
	6	5		6	10
	7	68		7	68
	8	4		8	9
	9	–		9	–
	10	–		10	–
	11	40		11	46
	12	–		12	–
	13	–		13	–
	14	–		14	–
	15	38		15	44
	16	–		16	–
	17	35		17	41
	18	–		18	–
	19	–		19	–
	20	39		20	45
	21	–		21	–
	22	–		22	–
	23	–		23	–
	24	3		24	8
	25	–		25	–

Table 57. CBL-LS12 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-3 (9)	1	1	CH-4 (10)	1	1
	2	13		2	18
	3	49		3	54
	4	48		4	53
	5	17		5	22
	6	16		6	21
	7	68		7	68
	8	15		8	20
	9	–		9	–
	10	–		10	–
	11	12		11	57
	12	–		12	–
	13	–		13	–
	14	–		14	–
	15	50		15	55
	16	–		16	–
	17	47		17	52
	18	–		18	–
	19	–		19	–
	20	51		20	56
	21	–		21	–
	22	–		22	–
	23	–		23	–
	24	14		24	19
	25	–		25	–

Table 57. CBL-LS12 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin		DB-25 Connector Pin	SCSI-68 Connector Pin
CH-5 (11)	1	1	CH-6 (12)	1	1
	2	24		2	29
	3	60		3	65
	4	59		4	64
	5	28		5	33
	6	27		6	32
	7	68		7	68
	8	26		8	31
	9	–		9	–
	10	–		10	–
	11	23		11	34
	12	–		12	–
	13	–		13	–
	14	–		14	–
	15	61		15	66
	16	–		16	–
	17	58		17	63
	18	–		18	–
	19	–		19	–
	20	62		20	67
	21	–		21	–
	22	–		22	–
	23	–		23	–
	24	25		24	30
	25	–		25	–

CBL-LS102

Cross cable for the LS-2 and LS-2A modules of Megaplex. The CBL-LS102 cable includes two male DB-25 connectors.

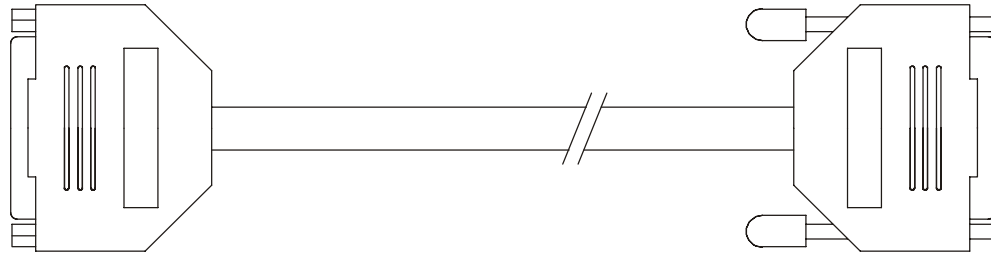


Figure 143. CBL-LS102 Cable

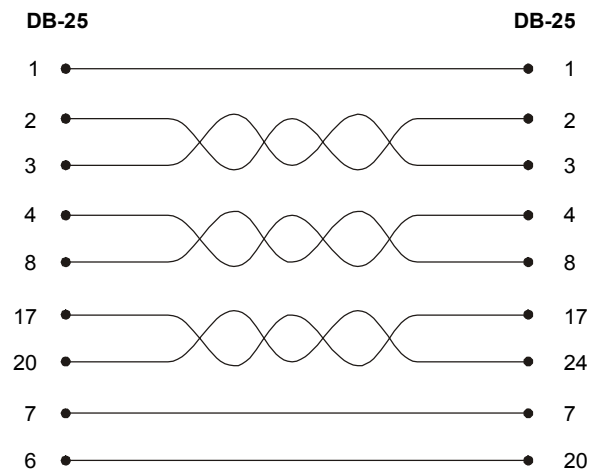


Figure 144. CBL-LS102 Cable Pinout

CBL-HS2V1

Adapter cable for connecting a data port working in DCE timing mode to the V.35 user equipment. The CBL-HS2V1 cable includes one D-25 male and one 34-pin male or female connectors. The pinout of the male and female cables is the same.

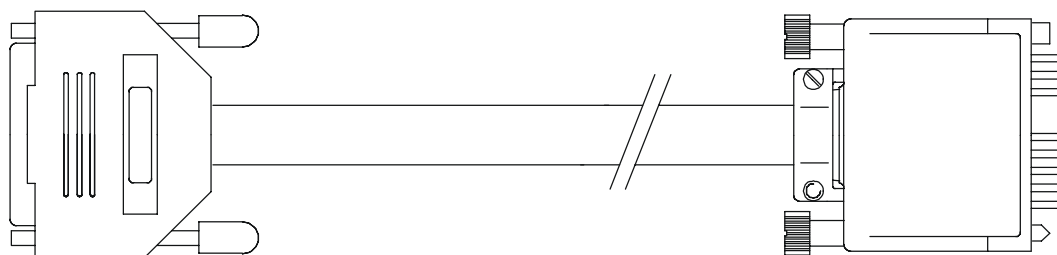


Figure 145. CBL-HS2V1/M Cable

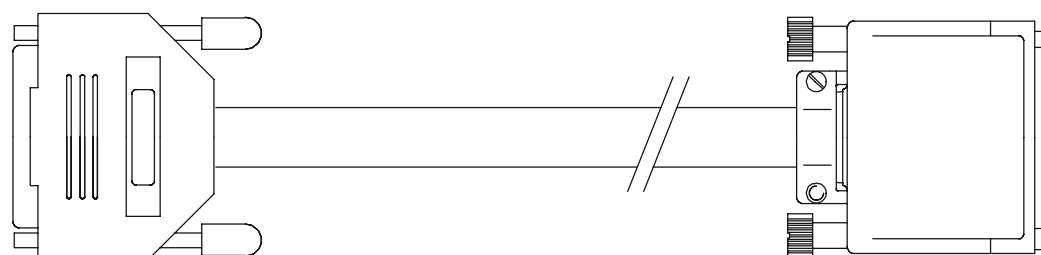


Figure 146. CBL-HS2V1/F Cable

DB-25		34-Pin
1	●	● A
2	●	● P
14	●	● S
3	●	● R
16	●	● T
17	●	● V
9	●	● X
24	●	● U
11	●	● W
15	●	● Y
12	●	● AA (a)
4	●	● C
5	●	● D
6	●	● E
7	●	● B
8	●	● F

Figure 147. CBL-HS2V1 Cable Pinout

CBL-HS2V2

Adapter cable for connecting a data port working in External-DCE (DTE1) timing mode to the V.35 user equipment. The CBL-HS2V2 cable includes one D-25 male and one 34-pin male or female connectors. The pinout of the male and female cables is the same.

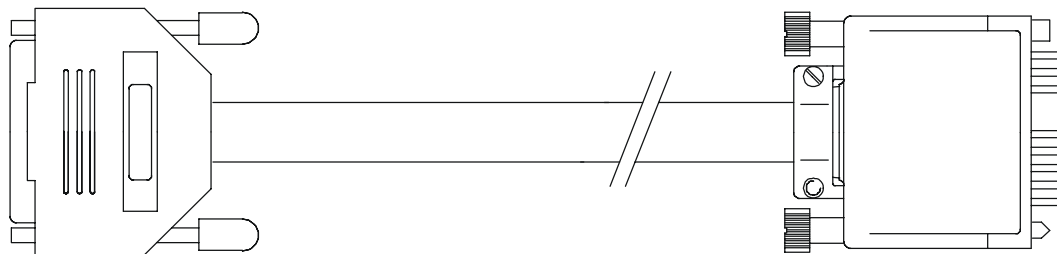


Figure 148. CBL-HS2V2/M Cable

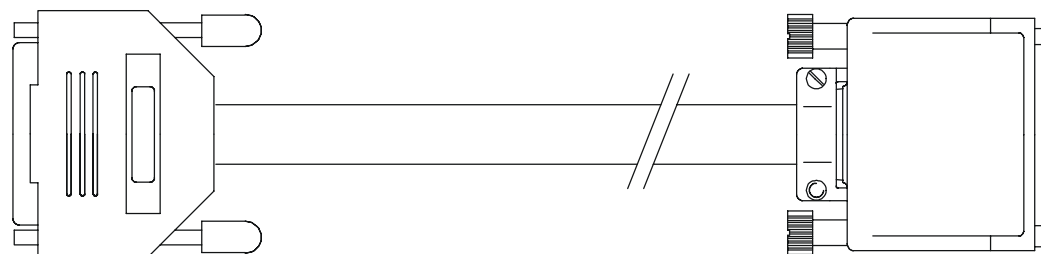


Figure 149. CBL-HS2V2/F Cable

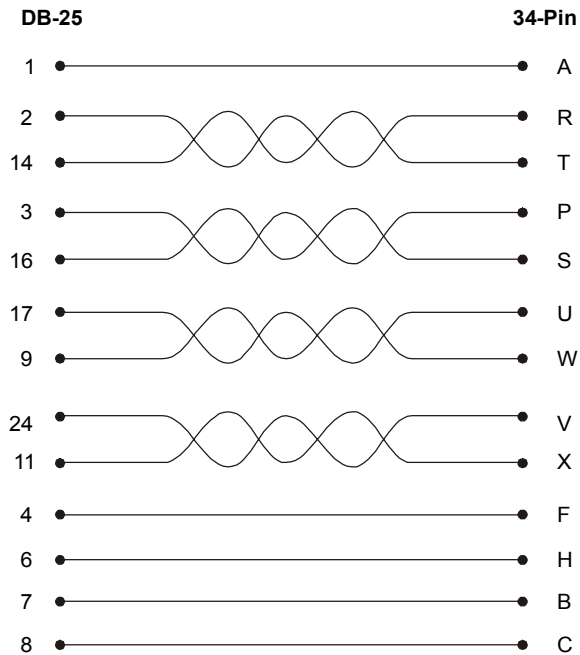


Figure 150. CBL-HS2V2 Cable Pinout

CBL-HS2V3

Adapter cable for connecting a data port working in DTE (DTE2) timing mode to the V.35 user equipment. The CBL-HS2V3 cable includes one D-25 male and one 34-pin male or female connectors. The pinout of the male and female cables is the same.

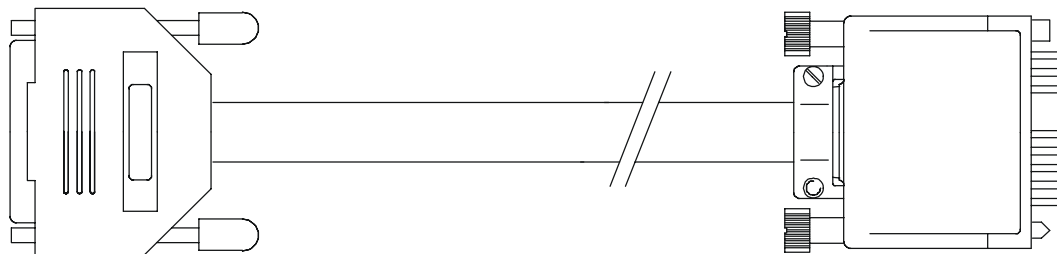


Figure 151. CBL-HS2V3/M Cable

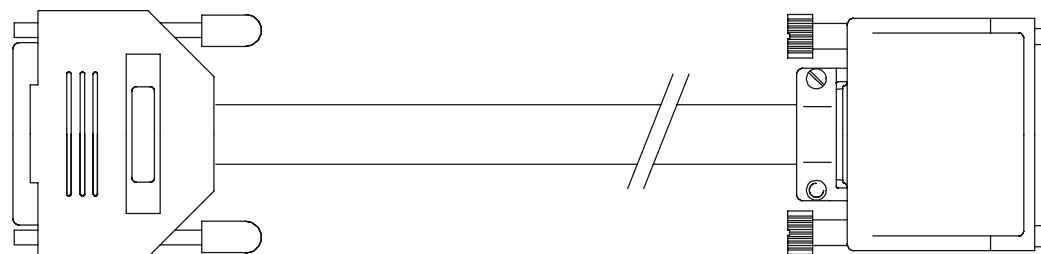


Figure 152. CBL-HS2V3/F Cable

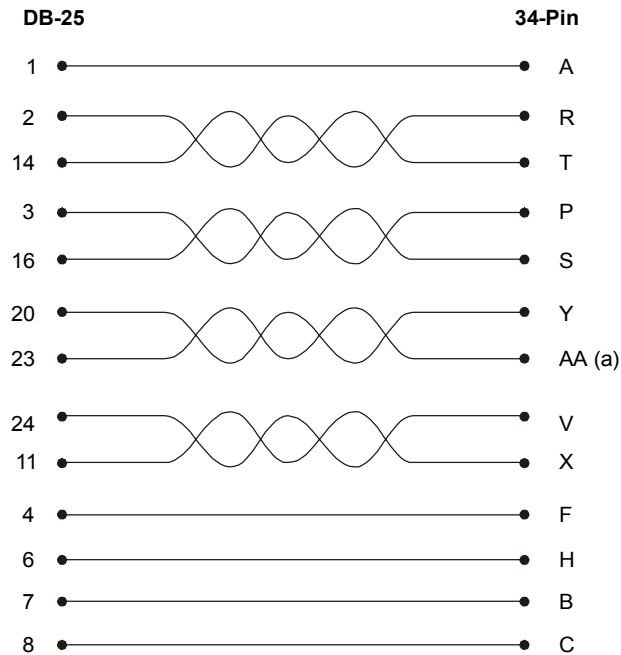


Figure 153. CBL-HS2V3 Cable Pinout

CBL-HS2R1

Adapter cable for connecting a data port working in DCE timing mode to the V.36 user equipment. The CBL-HS2R1 cable includes one D-25 male and one D-37 male or female connectors. The pinout of the male and female cables is the same.

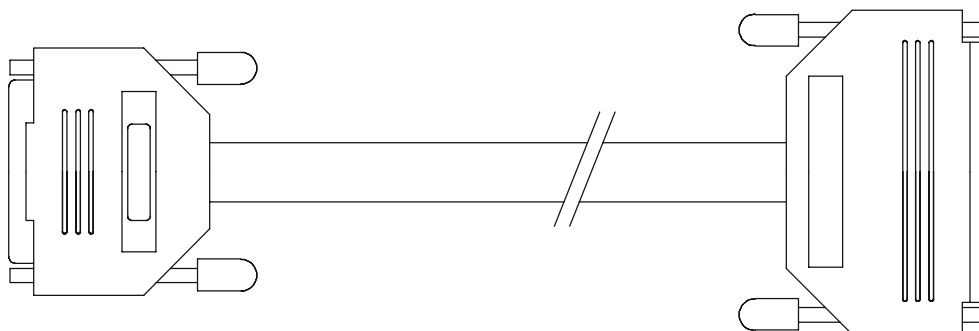


Figure 154. CBL-HS2R1 Cable

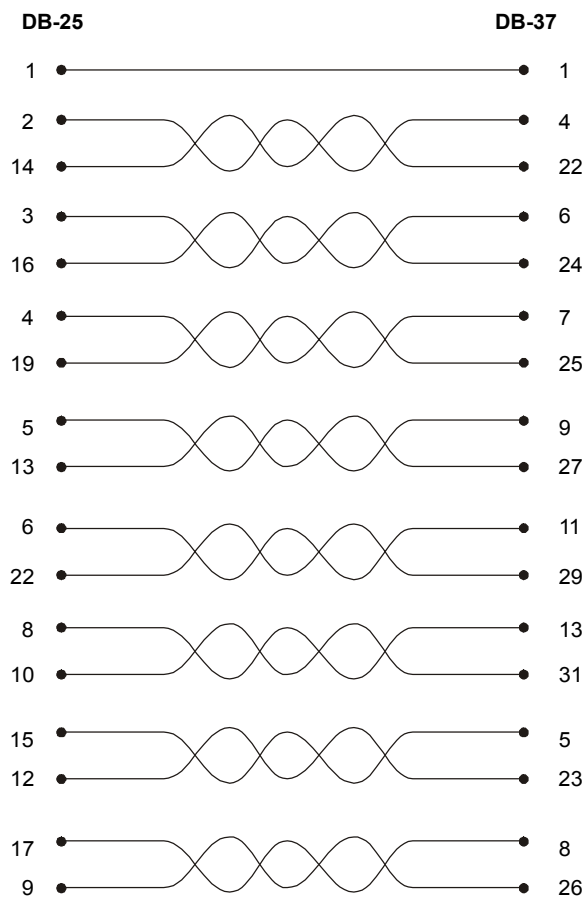


Figure 155. CBL-HS2R1 Cable Pinout

CBL-HS2R2

Adapter cable for connecting a data port working in External-DCE (DTE1) timing mode to the V.36 user equipment. The CBL-HS2R2 cable includes one D-25 male and one D-37 male or female connectors. The pinout of the male and female cables is the same.

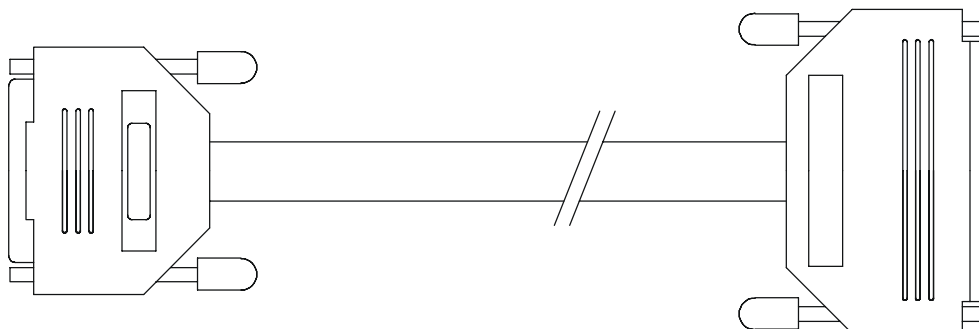


Figure 156. CBL-HS2R2 Cable

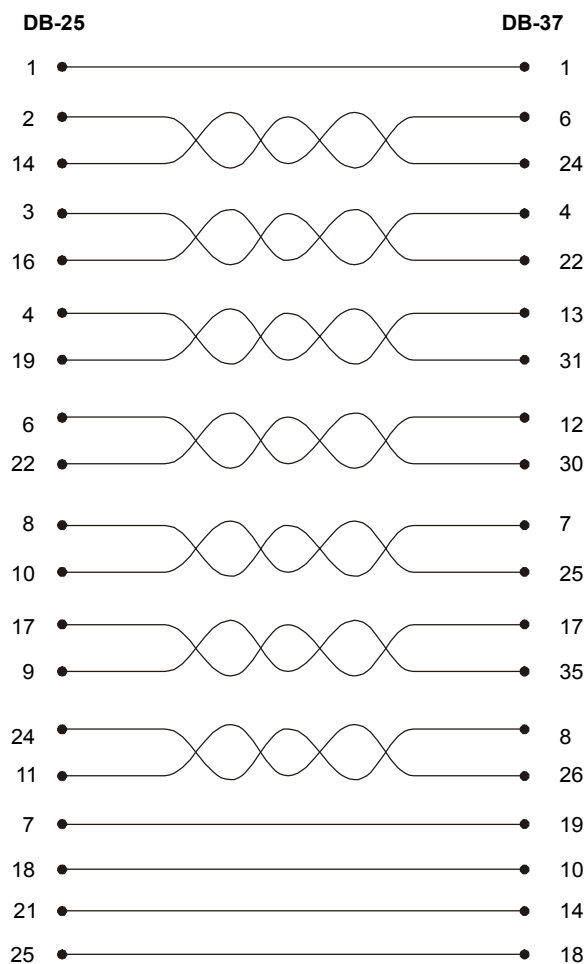


Figure 157. CBL-HS2R2 Cable Pinout

CBL-HS2R3

Adapter cable for connecting a data port working in DTE (DTE2) timing mode to the V.36 user equipment. The CBL-HS2R3 cable includes one D-25 male and one D-37 male or female connectors. The pinout of the male and female cables is the same.

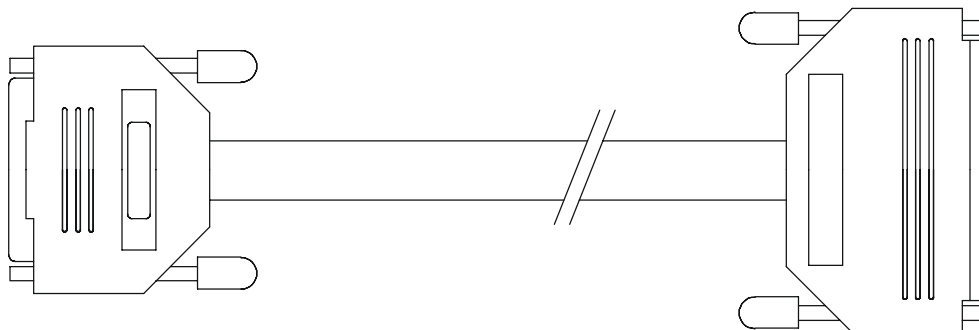


Figure 158. CBL-HS2R3 Cable

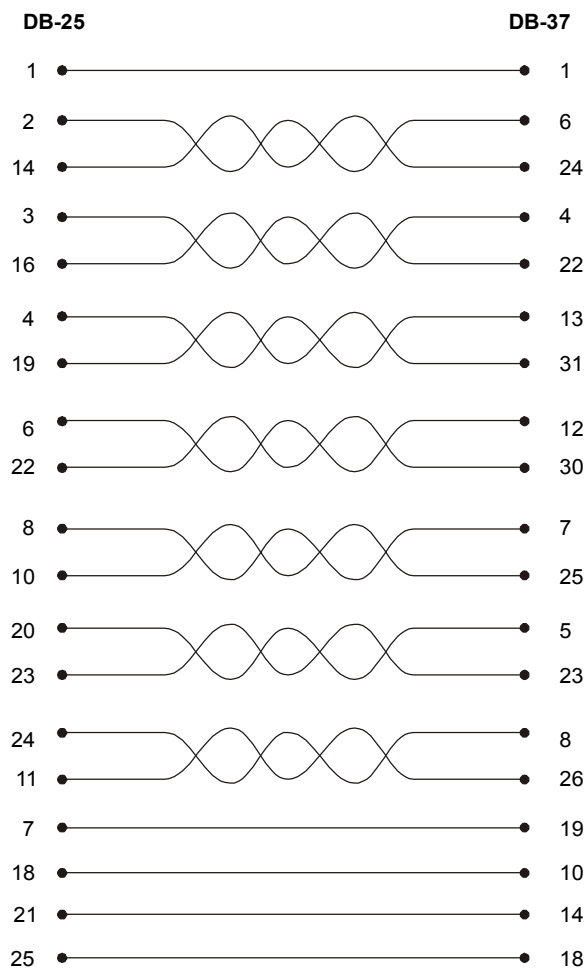


Figure 159. CBL-HS2R3 Cable Pinout

CBL-HS2X1

Adapter cable for connecting a data port working in DCE timing mode to the X.21 user equipment. The CBL-HS2X1 cable includes one D-25 male and one D-15 male or female connectors. The pinout of the male and female cables is the same.

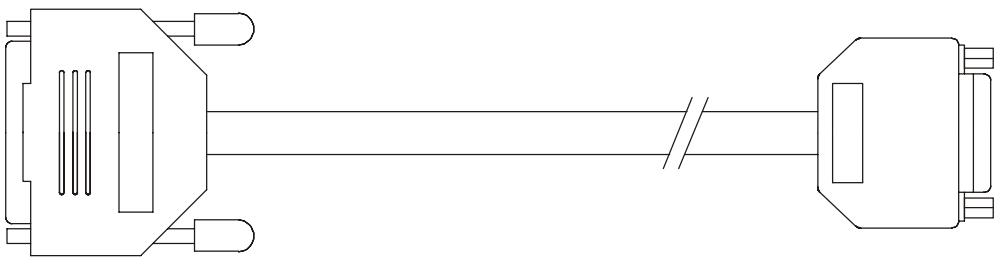


Figure 160. CBL-HS2X1 Cable

Table 58. CBL-HS2X1 Cable Pinout

DB-25 Connector Pin	DB-15 Connector Pin	
1	1	
7	8	
4	3	Twisted
19	10	
8	5	Twisted
10	12	
15	6	Twisted
12	13	
2	2	Twisted
14	9	
3	4	Twisted
16	11	

CBL-HS2X2

Adapter cable for connecting a data port working in External-DCE (DTE1) timing mode to the X.21 user equipment. The CBL-HS2X2 cable includes one D-25 male and one D-15 male or female connectors. The pinout of the male and female cables is the same.

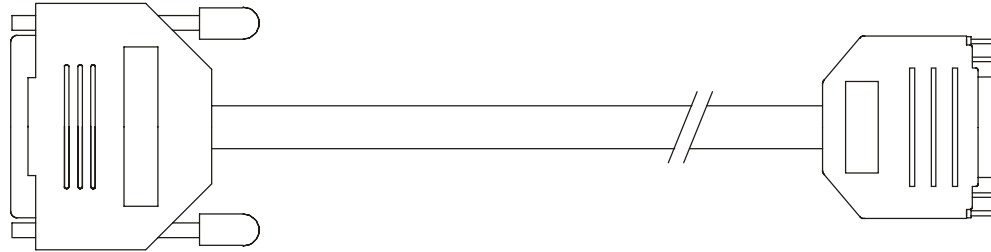


Figure 161. CBL-HS2X2 Cable

Table 59. CBL-HS2X2 Cable Pinout

DB-25 Connector Pin	DB-15 Connector Pin	
1	1	
7	8	
4	5	Twisted
19	12	
8	3	Twisted
10	10	
20, 24	6	Twisted
23, 11	13	
2	4	Twisted
14	11	
3	2	Twisted
16	9	
17	7	Twisted
9	14	

CBL-HS3V1

Adapter cable for connecting the Megaplex HS-3 module working in DCE timing mode to the V.35 user equipment. The CBL-HS3V1 cable includes one male 50-pin TELCO and three 34-pin male or female connectors. The pinout of the male and female cables is the same.

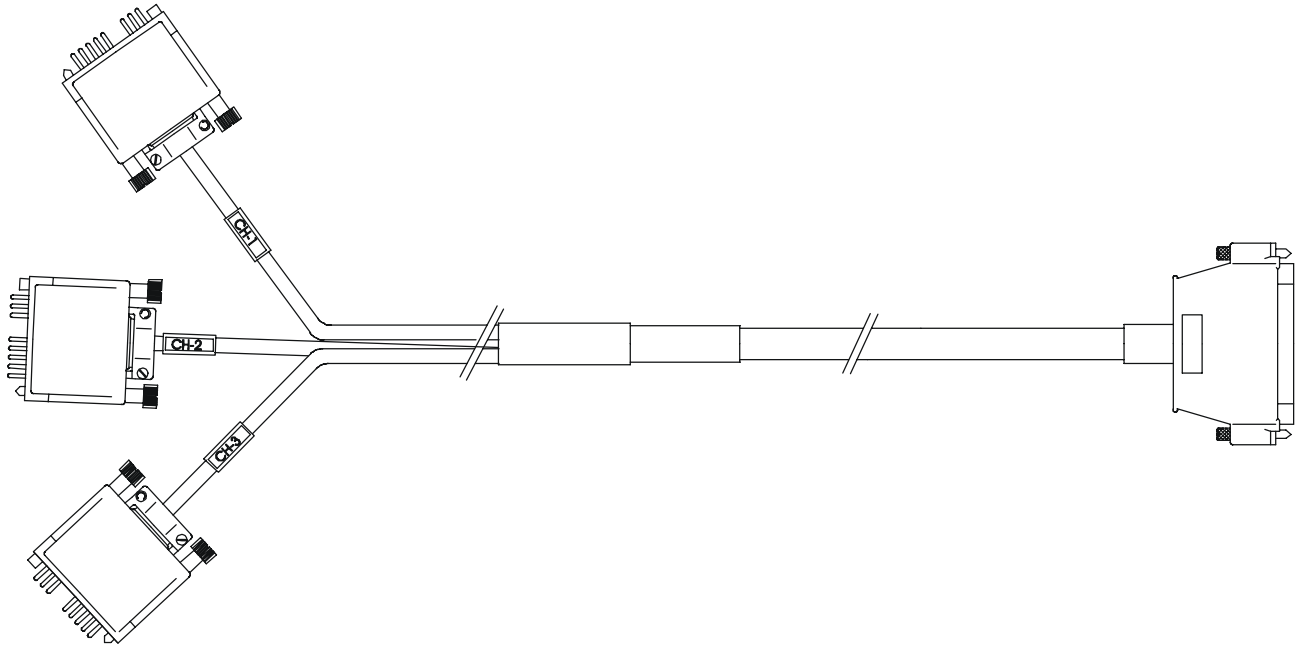


Figure 162. CBL-HS3V1/M Cable

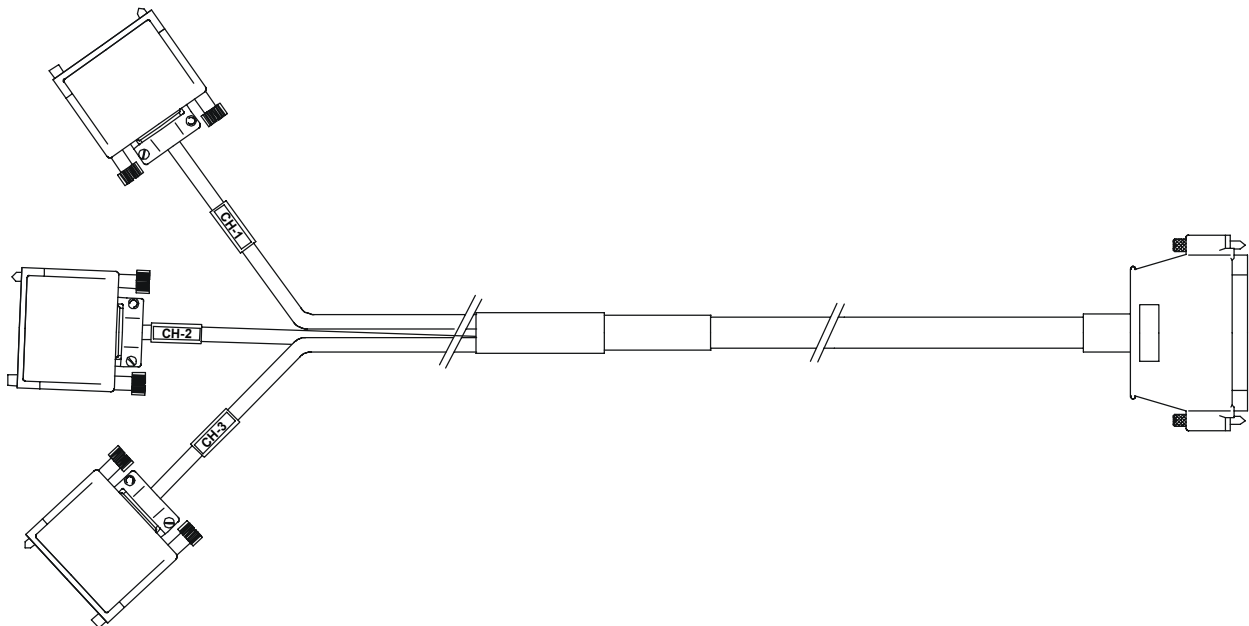


Figure 163. CBL-HS3V1/F Cable

Table 60. CBL-HS3V1 Cable Pinout

	34-pin Connector Pin	50-pin Connector Pin	
CH-1	P	1	Twisted
	S	26	
	R	2	Twisted
	T	27	
	V	3	Twisted
	X	28	
	Y	4	Twisted
	AA(a)	29	
	D	5	Twisted
	E	30	
	C	6	Twisted
	\	31	
	BB	19	Twisted
	Z	44	
	U	20	Twisted
	W	45	
	F	25	Twisted
	B	50	
CH-2	P	7	Twisted
	S	32	
	R	8	Twisted
	T	33	
	V	9	Twisted
	X	34	
	Y	10	Twisted
	AA(a)	35	
	D	11	Twisted
	E	36	
	C	12	Twisted
	\	37	
	BB	21	Twisted
	Z	46	
	U	22	Twisted
	W	47	
	F	25	Twisted
	B	50	

Table 60. CBL-HS3V1 Cable Pinout (Cont.)

	34-pin Connector Pin	50-pin Connector Pin	
CH-3	P	13	Twisted
	S	38	
	R	14	Twisted
	T	39	
	V	15	Twisted
	X	40	
	Y	16	Twisted
	AA(a)	41	
	D	17	Twisted
	E	42	
	C	18	Twisted
	\	43	
	BB	23	Twisted
	Z	48	
	U	24	Twisted
	W	49	
	F	25	Twisted
	B	50	

CBL-HS3R1

Adapter cable for connecting the Megaplex HS-3 module working in DCE timing mode to the V.36 user equipment. The CBL-HS3R1 cable includes one male 50-pin TELCO and three D-37 male or female connectors. The pinout of the male and female cables is the same.

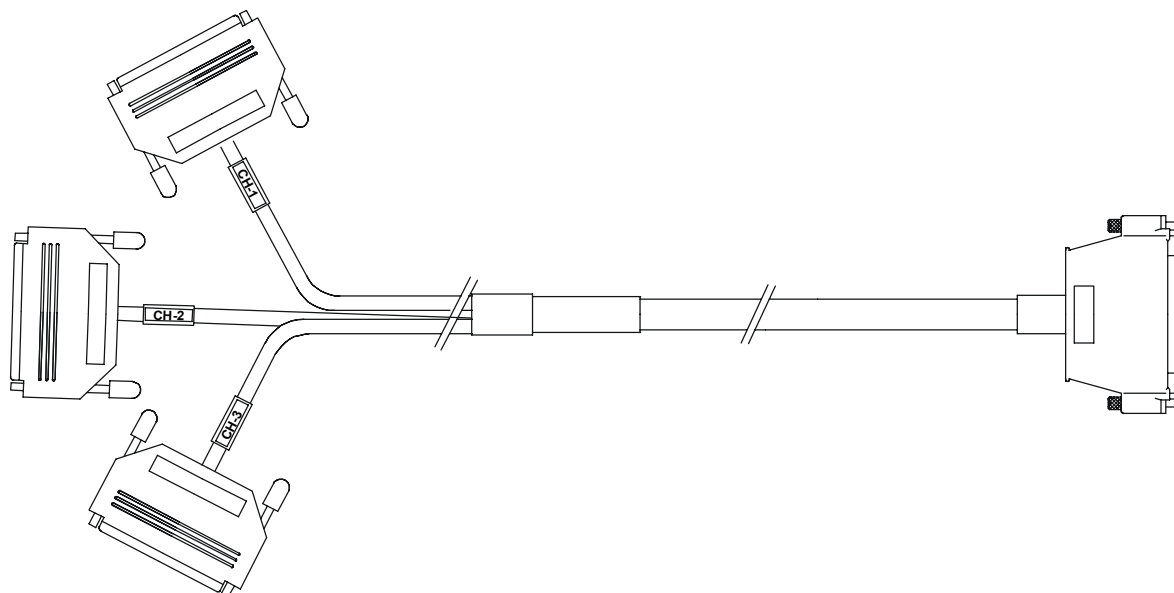


Figure 164. CBL-HS3R1 Cable

Table 61. CBL-HS3R1 Cable Pinout

	D-37 Connector Pin	50-pin Connector Pin	
CH-1	4	1	Twisted
	22	26	
	6	2	Twisted
	24	27	
	8	3	Twisted
	26	28	
	5	4	Twisted
	23	29	
	9, 13	5	Twisted
	27, 31	30	
	7	6	Twisted
	25	31	
	3	19	Twisted
	21	44	
	17	20	Twisted
	35	45	
	\	25	Twisted
	19, 20, 37	50	

Table 61. CBL-HS3R1 Cable Pinout (Cont.)

	D-37 Connector Pin	50-pin Connector Pin	
CH-2	4	7	Twisted
	22	32	
	6	8	Twisted
	24	33	
	8	9	Twisted
	26	34	
	5	10	Twisted
	23	35	
	9, 13	11	Twisted
	27, 31	36	
	7	12	Twisted
	25	37	
	3	21	Twisted
	21	46	
	17	22	Twisted
	35	47	
	\	25	Twisted
	19, 20, 37	50	
CH-3	4	13	Twisted
	22	38	
	6	14	Twisted
	24	39	
	8	15	Twisted
	26	40	
	5	16	Twisted
	23	41	
	9, 13	17	Twisted
	27, 31	42	
	7	18	Twisted
	25	43	
	3	23	Twisted
	21	48	
	17	24	Twisted
	35	49	
	\	25	Twisted
	19, 20, 37	50	

CBL-HS3X1

Adapter cable for connecting the Megaplex HS-3 module working in DCE timing mode to the X.21 user equipment. The CBL-HS3X1 cable includes one female 50-pin TELCO and three D-15 female connectors.

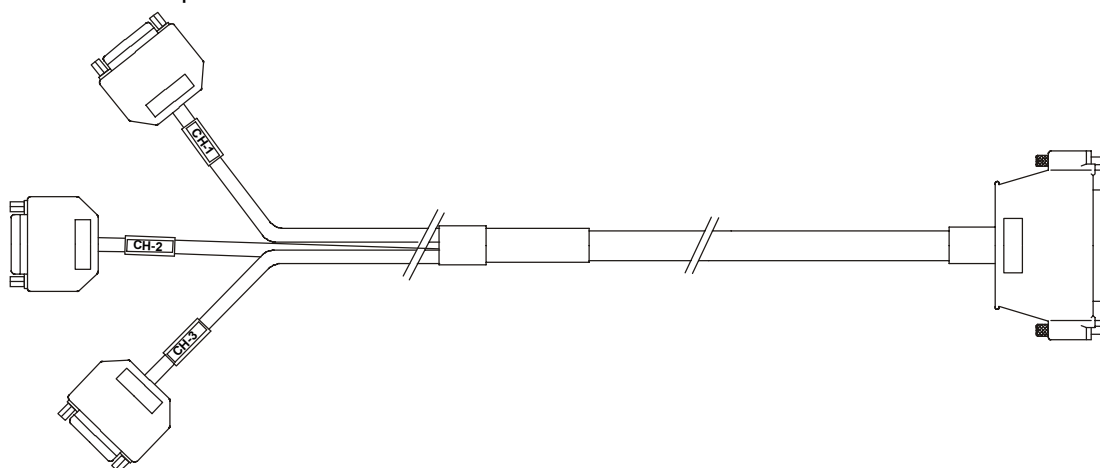


Figure 165. CBL-HS3X1 Cable

Table 62. CBL-HS3X1 Cable Pinout

	D-15 Connector Pin	50-pin Connector Pin	
CH-1	2	1	Twisted
	9	26	
	4	2	Twisted
	11	27	
	6	3	Twisted
	13	28	
	5	5	Twisted
	12	30	
	3	6	Twisted
	10	31	
	5	50	
CH-2	2	7	Twisted
	9	32	
	4	8	Twisted
	11	33	
	6	9	Twisted
	13	34	
	5	11	Twisted
	12	36	
	3	12	Twisted
	10	37	
	8	50	

Table 62. CBL-HS3X1 Cable Pinout (Cont.)

	D-15 Connector Pin	50-pin Connector Pin	
CH-3	2	13	Twisted
	9	38	
	4	14	Twisted
	11	39	
	6	15	Twisted
	13	40	
	5	17	Twisted
	12	42	
	3	18	Twisted
	10	43	
	5	50	

CBL-HS3S1

Adapter cable for connecting the Megaplex HS-3 module working in DCE timing mode to the RS-530 user equipment. The CBL-HS3S1 cable includes one male 50-pin TELCO and three D-25 male or female connectors. The pinout of the male and female cables is the same.

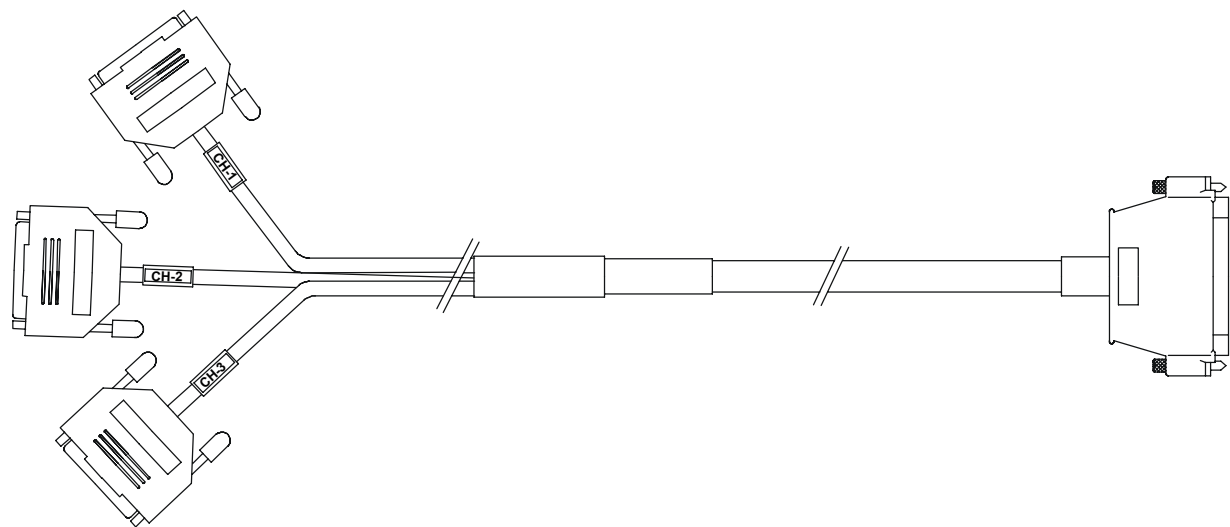


Figure 166. CBL-HS3S1 Cable

Table 63. CBL-HS3S1 Cable Pinout

	D-25 Connector Pin	50-pin Connector Pin	
CH-1	2	1	Twisted
	14	26	
	3	2	Twisted
	16	27	
	17	3	Twisted
	9	28	
	15	4	Twisted
	12	29	
	6, 5	5	Twisted
	22, 13	30	
	4	6	Twisted
	19	31	
	20	19	Twisted
	23	44	
	24	20	Twisted
	11	45	
	/	25	Twisted
	7	50	

Table 63. CBL-HS3S1 Cable Pinout (Cont.)

	D-25 Connector Pin	50-pin Connector Pin	
CH-2	2	7	Twisted
	14	32	
	3	8	Twisted
	16	33	
	17	9	Twisted
	9	34	
	15	10	Twisted
	12	35	
	6, 5	11	Twisted
	22, 13	36	
	4	12	Twisted
	19	37	
	20	21	Twisted
	23	46	
	24	22	Twisted
	11	47	
	/	25	Twisted
	7	50	
CH-3	2	13	Twisted
	14	38	
	3	14	Twisted
	16	39	
	17	15	Twisted
	9	40	
	15	16	Twisted
	12	41	
	6, 5	17	Twisted
	22, 13	42	
	4	18	Twisted
	19	43	
	20	23	Twisted
	23	48	
	24	24	Twisted
	11	49	
	/	25	Twisted
	7	50	

CBL-HSQV1

Adapter cable for connecting the Megaplex HS-Q module working in DCE timing mode to the V.35 user equipment. The CBL-HSQV1 cable includes one male 50-pin TELCO and four 34-pin male connectors.

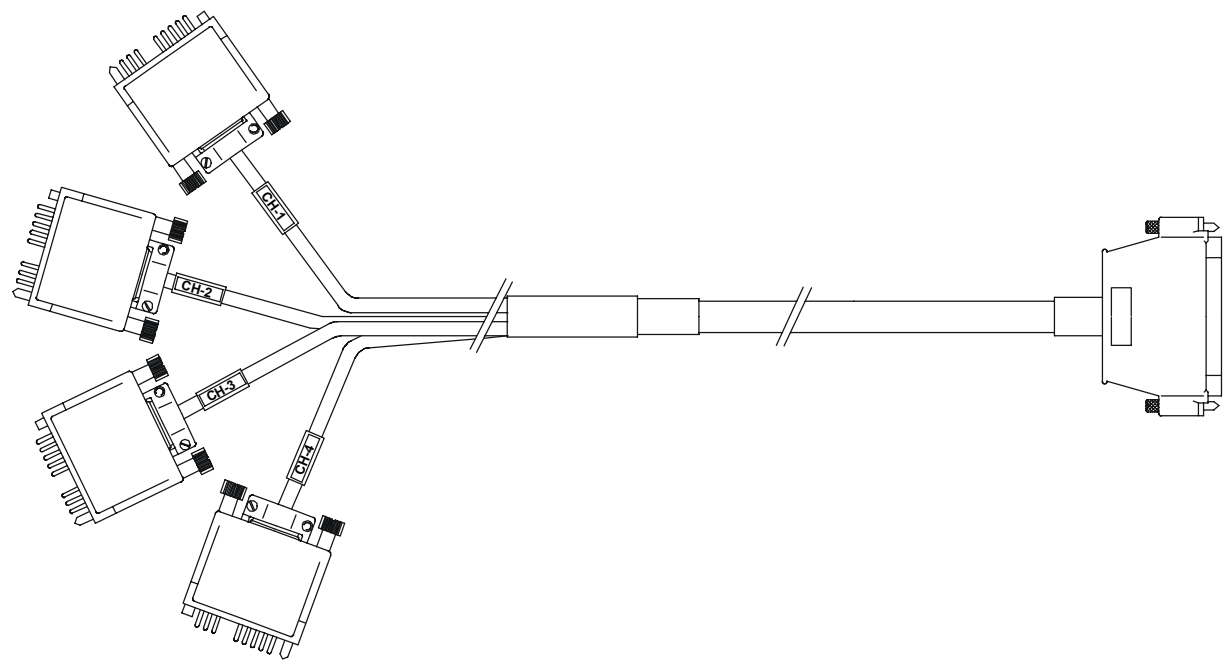


Figure 167. CBL-HSQV1 Cable

Table 64. CBL-HSQV1 Cable Pinout

	34-pin Connector Pin	50-pin Connector Pin	
CH-1	P	1	Twisted
	S	26	
	R	2	Twisted
	T	27	
	V	3	Twisted
	X	28	
	Y	4	Twisted
	AA(a)	29	
	D	5	Twisted
	E	30	
	C	6	Twisted
	/	31	
	F	25	Twisted
	B	50	

Table 64. CBL-HSQV1 Cable Pinout (Cont.)

	34-pin Connector Pin	50-pin Connector Pin	
CH-2	P	7	Twisted
	S	32	
	R	8	Twisted
	T	33	
	V	9	Twisted
	X	34	
	Y	10	Twisted
	AA(a)	35	
	D	11	Twisted
	E	36	
	C	12	Twisted
	/	37	
	F	25	Twisted
	B	50	
CH-1	P	13	Twisted
	S	38	
	R	14	Twisted
	T	39	
	V	15	Twisted
	X	40	
	Y	16	Twisted
	AA(a)	41	
	D	17	Twisted
	E	42	
	C	18	Twisted
	/	43	
	F	25	Twisted
	B	50	

Table 64. CBL-HSQV1 Cable Pinout (Cont.)

	34-pin Connector Pin	50-pin Connector Pin	
CH-2	P	19	Twisted
	S	44	
	R	20	Twisted
	T	45	
	V	21	Twisted
	X	46	
	Y	22	Twisted
	AA(a)	47	
	D	23	Twisted
	E	48	
	C	24	Twisted
	/	49	
	F	25	Twisted
	B	50	

CBL-HSQR1

Adapter cable for connecting the Megaplex HS-Q module working in DCE timing mode to the V.36 user equipment. The CBL-HSQR1 cable includes one male 50-pin TELCO and four DB-37 male or female connectors. The pinout of the male and female cables is the same.

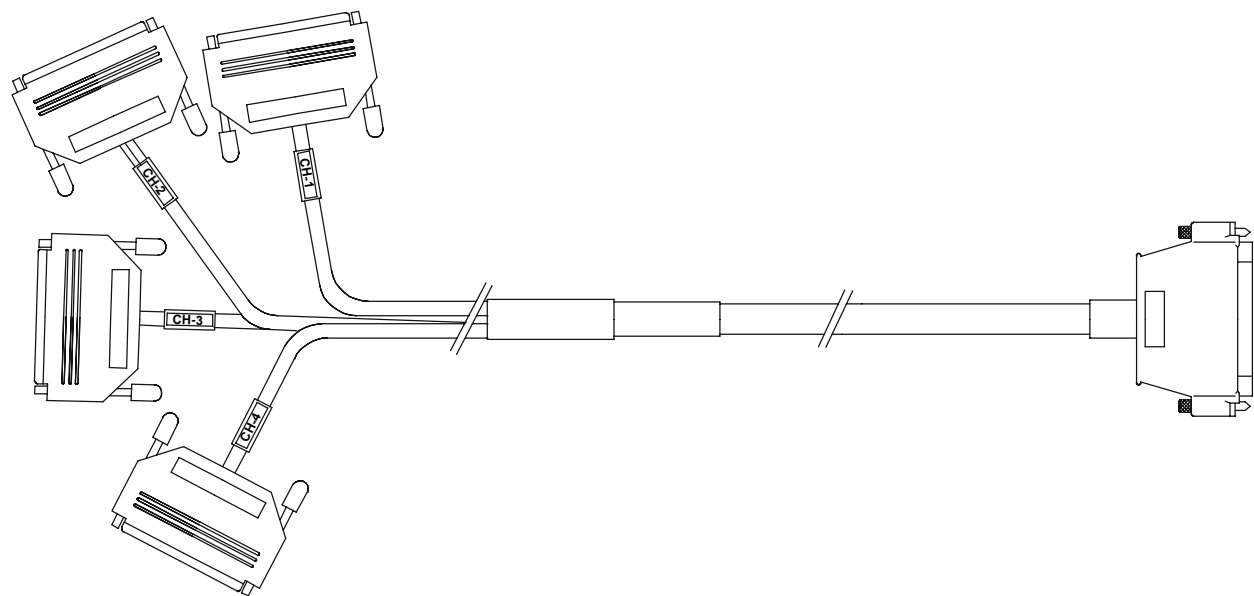


Figure 168. CBL-HSQR1 Cable

Table 65. CBL-HSQR1 Cable Pinout

	DB-37 Connector Pin	50-pin Connector Pin	
CH-1	4	1	Twisted
	22	26	
	6	2	Twisted
	24	27	
	8	3	Twisted
	26	28	
	5	4	Twisted
	23	29	
	9, 13	5	Twisted
	27, 31	30	
	7	6	Twisted
	25	31	
	19, 20, 37	50	

Table 65. CBL-HSQR1 Cable Pinout (Cont.)

	DB-37 Connector Pin	50-pin Connector Pin	
CH-2	4	7	Twisted
	22	32	
	6	8	Twisted
	24	33	
	8	9	Twisted
	26	34	
	5	10	Twisted
	23	35	
	9, 13	11	Twisted
	27, 31	36	
	7	12	Twisted
	25	37	
	19, 20, 37	50	
CH-3	4	13	Twisted
	22	38	
	6	14	Twisted
	24	39	
	8	15	Twisted
	26	40	
	5	16	Twisted
	23	41	
	9, 13	17	Twisted
	27, 31	42	
	7	18	Twisted
	25	43	
	19, 20, 37	50	

Table 65. CBL-HSQR1 Cable Pinout (Cont.)

	D-37 Connector Pin	50-pin Connector Pin	
CH-4	4	19	Twisted
	22	44	
	6	20	Twisted
	24	45	
	8	21	Twisted
	26	46	
	5	22	Twisted
	23	47	
	9, 13	23	Twisted
	27, 31	48	
	7	24	Twisted
	25	49	
	19, 20, 37	50	

CBL-HSQX1

Adapter cable for connecting the Megaplex HS-Q module working in DCE timing mode to the X.21 user equipment. The CBL-HSQX1 cable includes one male 50-pin TELCO and four DB-15 male or female connectors. The pinout of the male and female cables is the same.

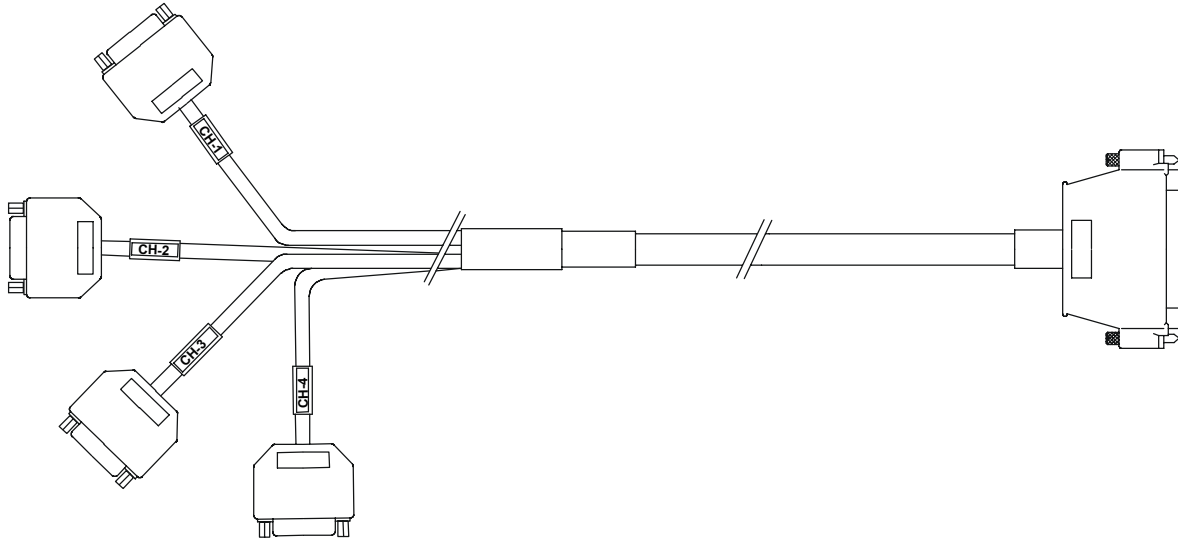


Figure 169. CBL-HSQX1 Cable

Table 66. CBL-HSQX1 Cable Pinout

	DB-15 Connector Pin	50-pin Connector Pin	
CH-1	2	1	Twisted
	9	26	
	4	2	Twisted
	11	27	
	6	3	Twisted
	13	28	
	5	5	Twisted
	12	30	
	3	6	Twisted
	10	31	
	8	50	

Table 66. CBL-HSQX1 Cable Pinout (Cont.)

	DB-15 Connector Pin	50-pin Connector Pin	
CH-2	2	7	Twisted
	9	32	
	4	8	Twisted
	11	33	
	6	9	Twisted
	13	34	
	5	11	Twisted
	12	36	
	3	12	Twisted
	10	37	
	8	50	
CH-3	2	13	Twisted
	9	38	
	4	14	Twisted
	11	39	
	6	15	Twisted
	13	40	
	5	17	Twisted
	12	42	
	3	18	Twisted
	10	43	
	8	50	
CH-4	2	19	Twisted
	9	44	
	4	20	Twisted
	11	45	
	6	21	Twisted
	13	46	
	5	23	Twisted
	12	48	
	3	24	Twisted
	10	49	
	8	50	

CBL-HSQS1

Adapter cable for connecting the Megaplex HS-Q module working in DCE timing mode to the RS-530 user equipment. The CBL-HSQS1 cable includes one male 50-pin TELCO and four DB-25 male or female connectors. The pinout of the male and female cables is the same.

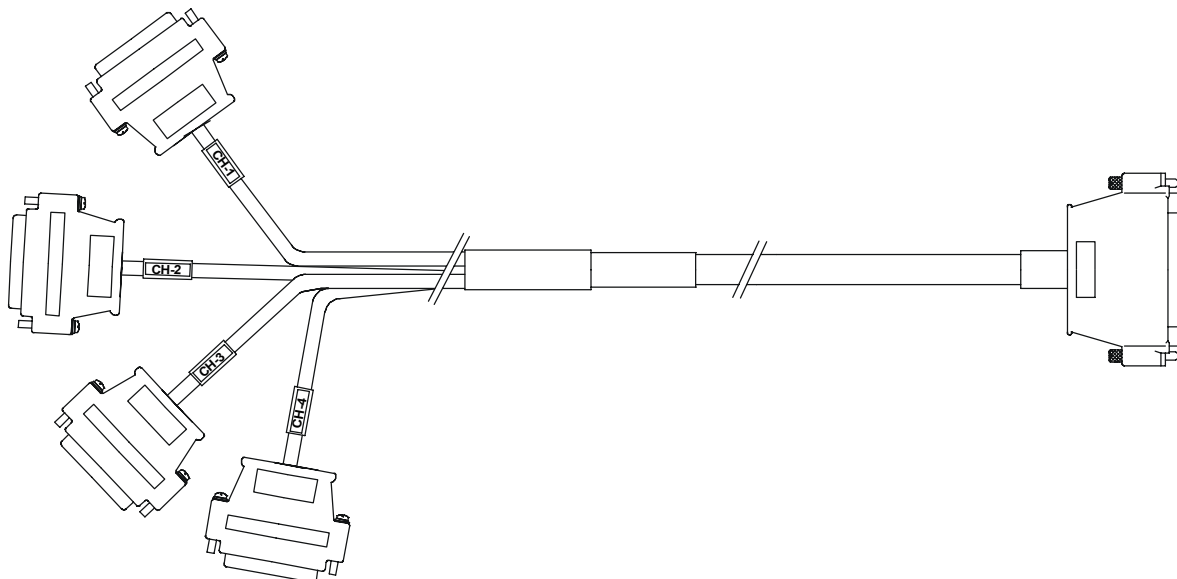


Figure 170. CBL-HSQS1 Cable

Table 67. CBL-HSQS1 Cable Pinout

	DB-25 Connector Pin	50-pin Connector Pin	
CH-1	2	1	Twisted
	14	26	
	3	2	Twisted
	16	27	
	17	3	Twisted
	9	28	
	15	4	Twisted
	12	29	
	8, 5	5	Twisted
	10, 13	30	
	4	6	Twisted
	19	31	
	7	50	

Table 67. CBL-HSQS1 Cable Pinout (Cont.)

	DB-25 Connector Pin	50-pin Connector Pin	
CH-2	2	7	Twisted
	14	32	
	3	8	Twisted
	16	33	
	17	9	Twisted
	9	34	
	15	10	Twisted
	12	35	
	8, 5	11	Twisted
	10, 13	36	
	4	12	Twisted
	19	37	
	7	50	
CH-3	2	13	Twisted
	14	38	
	3	14	Twisted
	16	39	
	17	15	Twisted
	9	40	
	15	16	Twisted
	12	41	
	8, 5	17	Twisted
	10, 13	42	
	4	18	Twisted
	19	43	
	7	50	

Table 67. CBL-HSQS1 Cable Pinout (Cont.)

	DB-25 Connector Pin	50-pin Connector Pin	
CH-4	2	19	Twisted
	14	44	
	3	20	Twisted
	16	45	
	17	21	Twisted
	9	46	
	15	22	Twisted
	12	47	
	8, 5	23	Twisted
	10, 13	48	
	4	24	Twisted
	19	49	
	7	50	

CBL-HSQS2

Adapter cable for connecting the Megaplex HS-Q module working in External-DCE (DTE1) timing mode to the RS-530 user equipment. The CBL-HSQS2 cable includes one male 50-pin TELCO and four DB-25 male or female connectors. The pinout of the male and female cables is the same.

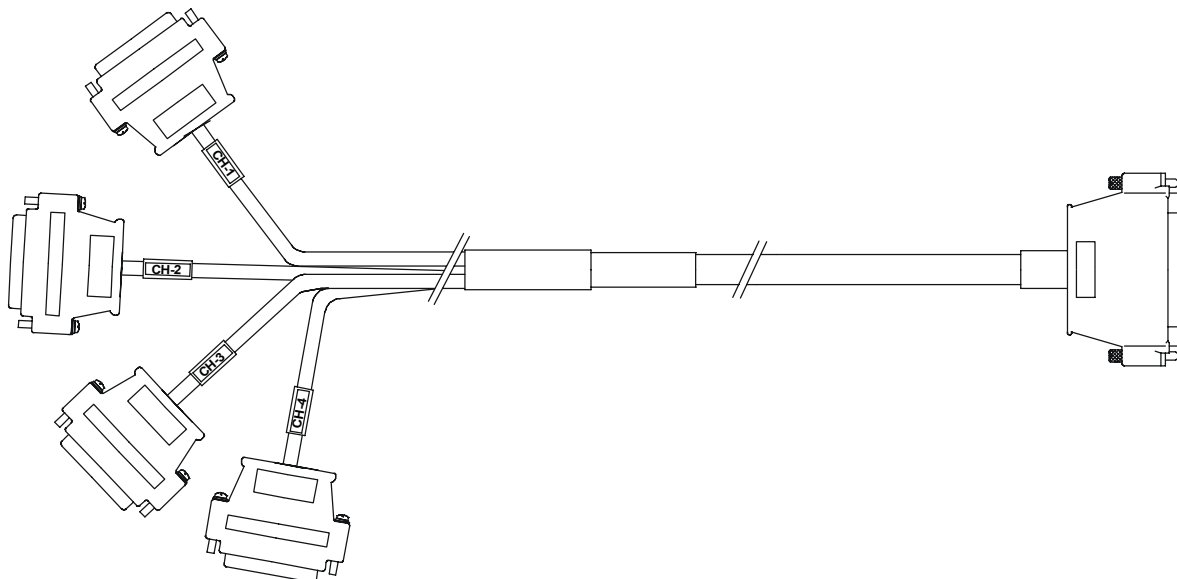


Figure 171. CBL-HSQS2 Cable

Table 68. CBL-HSQS2 Cable Pinout

	DB-25 Connector Pin	50-pin Connector Pin	
CH-1	3	1	Twisted
	16	26	
	2	2	Twisted
	14	27	
	24	3	Twisted
	11	28	
	—	4	Twisted
	—	29	
	4	5	Twisted
	19	30	
	17	6	Twisted
	9	31	
	7	50	

Table 68. CBL-HSQS2 Cable Pinout (Cont.)

	DB-25 Connector Pin	50-pin Connector Pin	
CH-2	3	7	Twisted
	16	32	
	2	8	Twisted
	14	33	
	24	9	Twisted
	11	34	
	–	10	Twisted
	–	35	
	4	11	Twisted
	19	36	
	17	12	Twisted
	9	37	
	7	50	
CH-3	3	13	Twisted
	16	38	
	2	14	Twisted
	14	39	
	24	15	Twisted
	11	40	
	–	16	Twisted
	–	41	
	4	17	Twisted
	19	42	
	17	18	Twisted
	9	43	
	7	50	

Table 68. CBL-HSQS2 Cable Pinout (Cont.)

	DB-25 Connector Pin	50-pin Connector Pin	
CH-4	3	19	Twisted
	16	44	
	2	20	Twisted
	14	45	
	24	21	Twisted
	11	46	
	–	22	Twisted
	–	47	
	4	23	Twisted
	19	48	
	17	24	Twisted
	9	49	
	7	50	

CBL-HSR

Splitter cable for connecting the Megaplex HS-R module to user equipment. The CBL-HSR cable includes one DB-25 male and two DB-25 male or female connectors. The pinout of the male and female cables is the same.

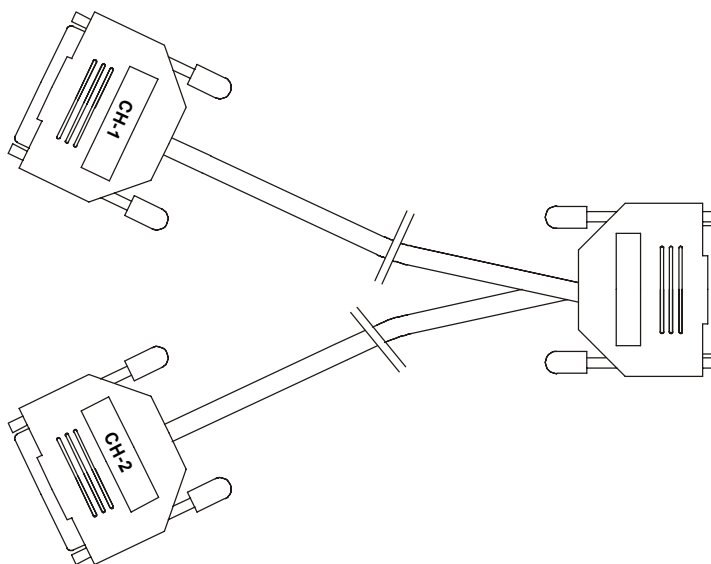


Figure 172. CBL-HSR Cable

Table 69. CBL-HSR Cable Pinout

	DB-25 Connector Pin	DB-25 Connector Pin	Wire Color
CH-1	1	1	Brown
	2	2	Red
	3	3	Orange
	4	4	Yellow
	5	5	Green
	6		Blue
	7	7	Purple
	8	8	Gray
	9	9	White
	10	10	Black
	15	15	White/Green
	17	17	White/Black
	20	20	White/Red
	24	24	White/Yellow

Table 69. CBL-HSR Cable Pinout (Cont.)

	DB-25 Connector Pin	DB-25 Connector Pin	Wire Color
CH-2	1	1	Brown
	2	14	Red
	3	16	Orange
	4	19	Yellow
	5	13	Green
	6	21	Blue
	7	7	Purple
	8	12	Gray
	9	9	White
	10	10	Black
	15	11	White/Green
	17	18	White/Black
	20	25	White/Red
	24	23	White/Yellow

CBL-VC-PBX/EXP

Expansion cable for cascading VF-PBX modules of Megaplex.
The CBL-VC-PBX/EXP cable includes five male DB-9 connectors.

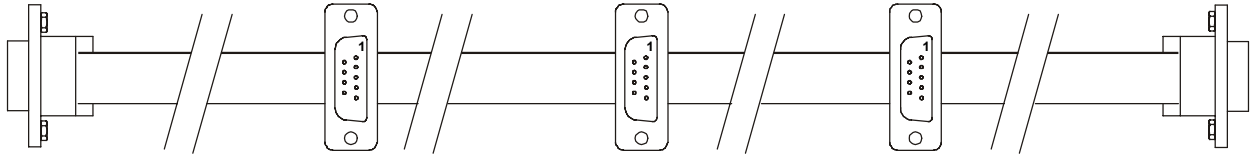


Figure 173. CBL-VC-PBX/EXP Cable, Top View

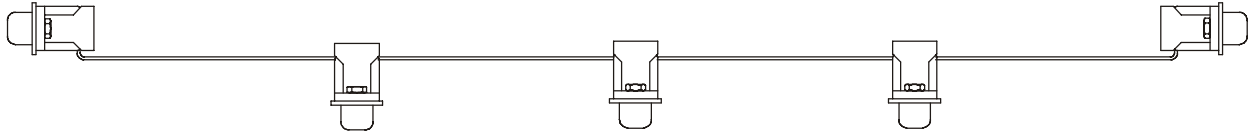


Figure 174. CBL-VC-PBX/EXP Cable, Side View

CBL-VC12/E&M

Splitter cable for the Megaplex VC-12 modules with E&M interface.
The CBL-VC12/E&M cable includes one male 68-pin SCSI and six RJ-45 connectors.

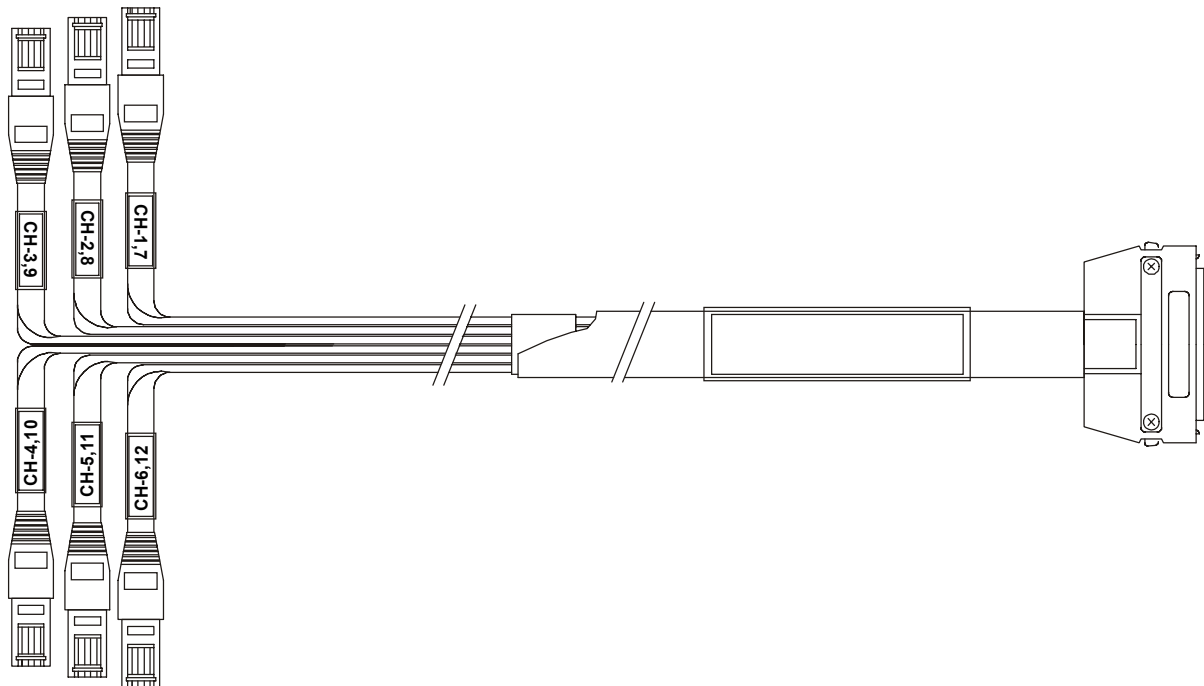


Figure 175. CBL-VC12/E&M Cable

Table 70. CBL-VC12/E&M Cable Pinout

	SCSI-68 Connector Pin	RJ-45 Connector Pin	
CH-1, 7	37	1	Twisted
	38	2	
	1	4	Twisted
	2	5	
	3	3	Twisted
	4	6	
	35	7	Twisted
	36	8	

Table 70. CBL-VC12/E&M Cable Pinout (Cont.)

	SCSI-68 Connector Pin	RJ-45 Connector Pin	
CH-2, 8	43	1	Twisted
	44	2	
	7	4	Twisted
	8	5	
	9	3	Twisted
	10	6	
	41	7	Twisted
	42	8	
CH-3, 9	49	1	Twisted
	50	2	
	13	4	Twisted
	14	5	
	15	3	Twisted
	16	6	
	47	7	Twisted
	48	8	
CH-4, 10	55	1	Twisted
	56	2	
	19	4	Twisted
	20	5	
	21	3	Twisted
	22	6	
	53	7	Twisted
	54	8	

Table 70. CBL-VC12/E&M Cable Pinout (Cont.)

	SCSI-68 Connector Pin	RJ-45 Connector Pin	
CH-5, 11	61	1	Twisted
	62	2	
	25	4	Twisted
	26	5	
	27	3	Twisted
	28	6	
	59	7	Twisted
	60	8	
CH-6, 12	67	1	Twisted
	68	2	
	31	4	Twisted
	32	5	
	33	3	Twisted
	34	6	
	65	7	Twisted
	66	8	

CBL-VC12/FXOS

Splitter cable for the Megaplex VC-12 modules with FXS or FXO interfaces . The CBL-VC12/FXOS cable includes one male 50-pin TELCO and twelve RJ-11 connectors.

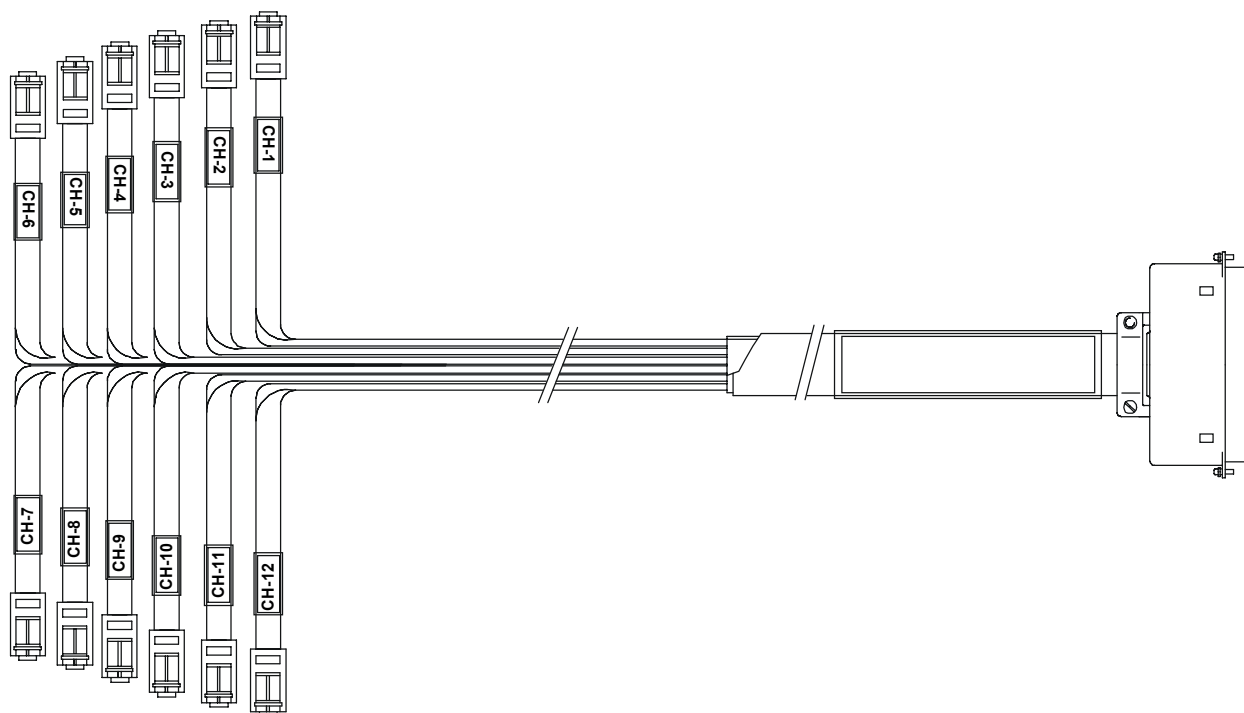


Figure 176. CBL-VC12/FXOS Cable

Table 71. CBL-VC12/FXOS Cable Pinout

	50-Pin Connector Pin	RJ-11 Connector Pin
CH-1	13	4
	12	3
CH-2	10	4
	9	3
CH-3	7	4
	6	3
CH-4	50	4
	49	3
CH-5	47	4
	46	3
CH-6	25	4
	24	3

Table 72. CBL-VC12/FXOS Cable Pinout

	50-Pin Connector Pin	RJ-11 Connector Pin
CH-7	4	4
	3	3
CH-8	27	4
	26	3
CH-9	30	4
	29	3
CH-10	22	4
	21	3
CH-11	19	4
	18	3
CH-12	16	4
	15	3

CBL-DB15/DB15

Straight cable for connecting E1/T1 ports of the RSC-2100 system to the user equipment. The CBL-DB15/DB15 cable includes two male DB-15 connectors.

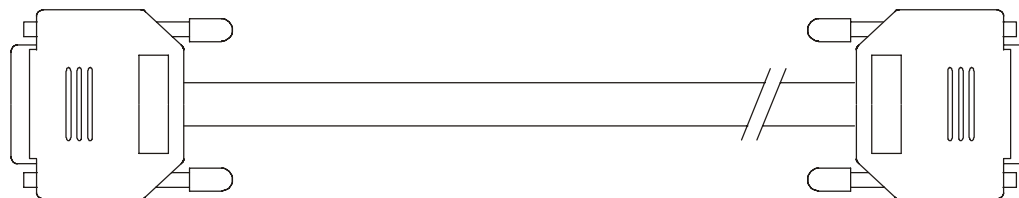


Figure 177. CBL-DB15/DB15 Cable

Table 73. CBL-DB15/DB15 Cable Pinout

DB-15 Connector Pin	DB-15 Connector Pin	
1	1	Twisted
9	9	
3	3	Twisted
11	11	
2	2	
4	4	

CBL-DB15/DB15/M/X

Cross cable for connecting E1/T1 ports of the RSC-2100 system to the user equipment. The CBL-DB15/DB15/M/X cable includes two male DB-15 connectors.

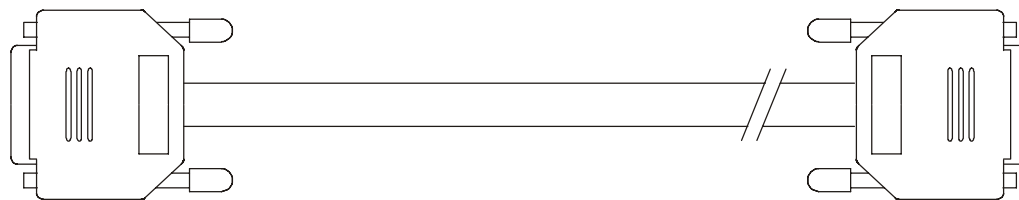


Figure 178. CBL-DB15/DB15/M/X Cable

Table 74. CBL-DB15/DB15/M/X Cable Pinout

DB-15 Connector Pin	DB-15 Connector Pin	
1	3	Twisted
9	11	
3	1	Twisted
11	9	
2	2	
4	4	

CBL-RJ45/DB15/M/X

Cross cable for connecting E1/T1 ports of the RSC-2100 system to the user equipment. The CBL-RJ45/DB15/M/X cable includes one male RJ-45 and one male DB-15 connectors.

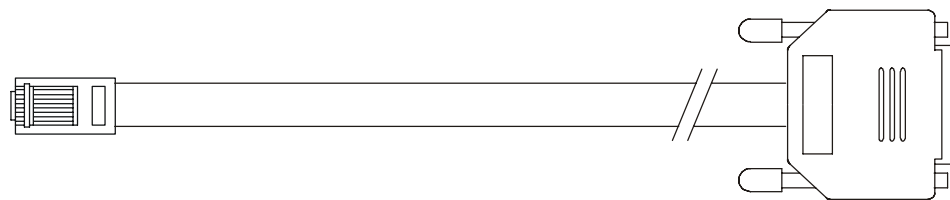


Figure 179. CBL-RJ45/DB15/M/X Cable

Table 75. CBL-RJ45/DB15/M/X Cable Pinout

RJ-45 Connector Pin	DB-15 Connector Pin	
1	9	Twisted
2	1	
4	11	Twisted
5	3	

CBL-D8E1-BNC

Adapter cable for the DXC D8E1 module, converting two DB-25 connectors to 16 BNC unbalanced connectors. The CBL-D8E1-BNC cable includes two DB-25 male and 16 unbalanced BNC connectors.

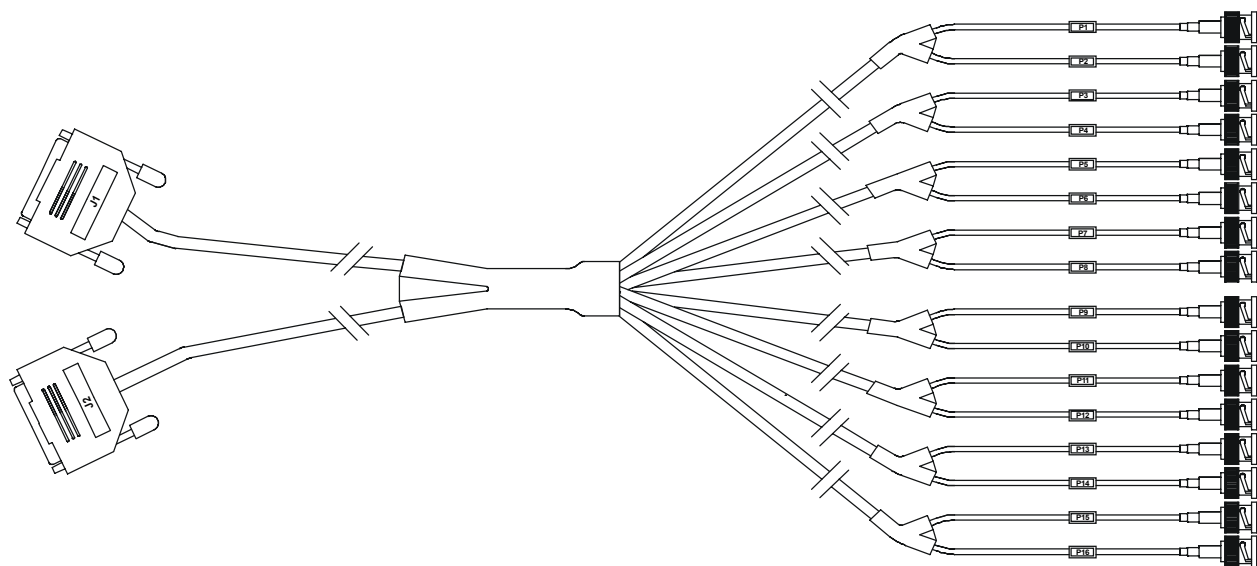


Figure 180. CBL-D8E1-BNC Cable

Table 76. CBL-D8E1-BNC Cable Pinout

	DB-25 Connector Pin	BNC	
J1	12	2	P1
	25	1	
J2	12	1	P2
	25	2	
J1	11	2	P3
	24	1	
J2	11	1	P4
	24	2	
J1	10	2	P5
	23	1	
J2	10	1	P6
	23	2	
J1	9	2	P7
	22	1	
J2	9	1	P8
	22	2	

Table 76. CBL-D8E1-BNC Cable Pinout (Cont.)

	DB-25 Connector Pin	BNC		
J1	8	2	P9	} Twisted
	21	1		
J2	8	1	P10	} Twisted
	21	2		
J1	7	2	P11	} Twisted
	20	1		
J2	7	1	P12	} Twisted
	20	2		
J1	6	2	P13	} Twisted
	19	1		
J2	6	1	P14	} Twisted
	19	2		
J1	5	2	P15	} Twisted
	18	1		
J2	5	1	P16	} Twisted
	18	2		

CBL-D4E1-MBNC

Adapter cable for the DXC D8E1 module, converting one DB-25 connector to 8 mini-BNC unbalanced connectors. The CBL-D4E1-MBNC cable includes one DB-25 male and 8 unbalanced mini-BNC connectors.

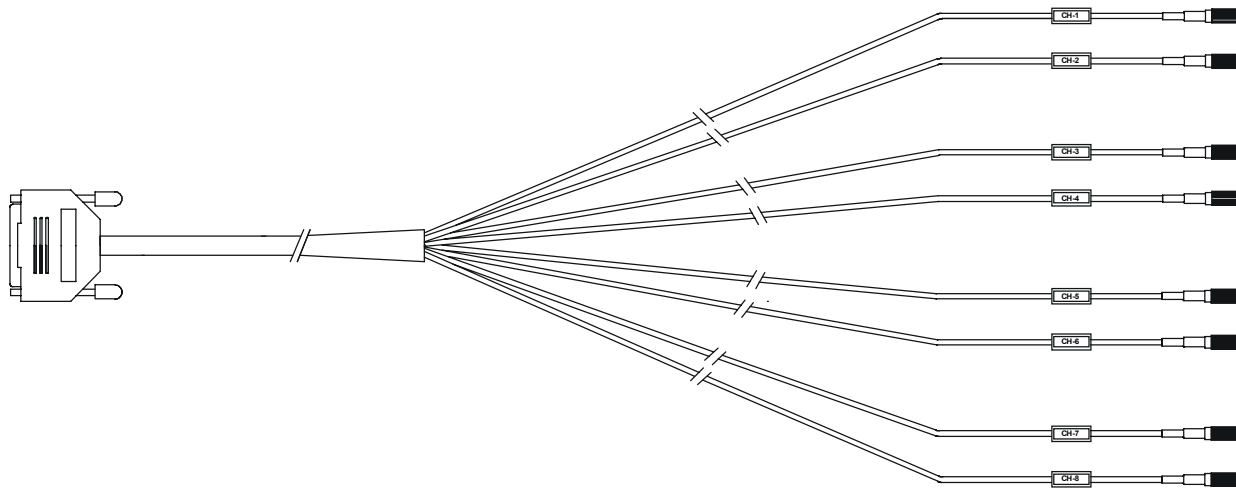


Figure 181. CBL-D4E1-MBNC Cable

Table 77. CBL-D4E1-MBNC Cable Pinout

	DB-25 Connector Pin	MBNC
CH-1	12	TT
	25	TR
CH-2	11	TT
	24	TR
CH-3	10	TT
	23	TR
CH-4	9	TT
	22	TR
CH-5	8	TT
	21	TR
CH-6	7	TT
	20	TR
CH-7	6	TT
	19	TR
CH-8	5	TT
	18	TR

CBL-D8E1-RJ45/X

Adapter cable for the DXC D4E1 module, converting two DB-25 connectors to eight RJ-45 connectors. The CBL-D8E1-RJ45/X cable includes two DB-25 male and eight balanced RJ-45 connectors.

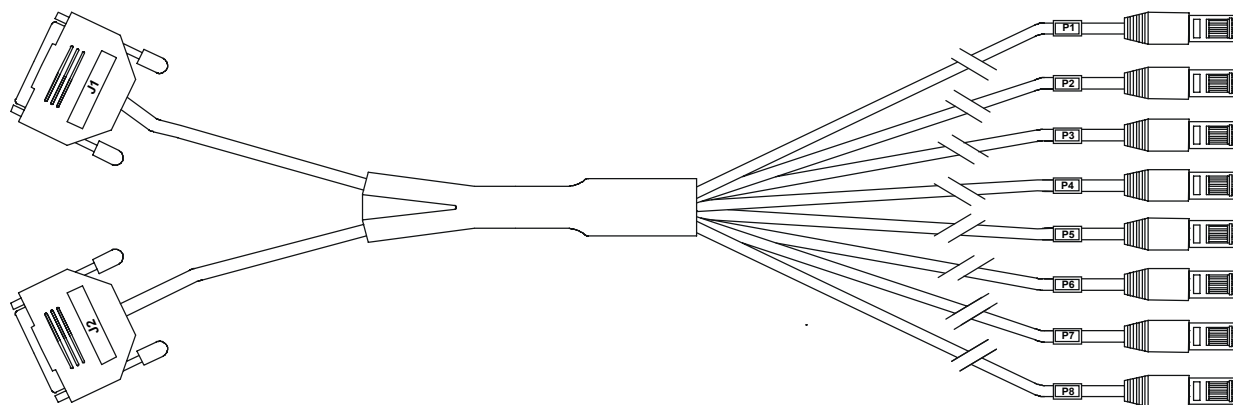


Figure 182. CBL-D8E1-RJ45/X Cable

Table 78. CBL-D8E1-RJ45/X Cable Pinout

	DB-25 Connector Pin	RJ-45 Connector Pin		
J1	12	1	P1	Twisted
	25	2		
J2	12	4	P2	Twisted
	25	5		
J1	11	1	P3	Twisted
	24	2		
J2	11	4	P4	Twisted
	24	5		
J1	10	1	P5	Twisted
	23	2		
J2	10	4	P6	Twisted
	23	5		
J1	9	1	P7	Twisted
	22	2		
J2	9	4	P8	Twisted
	22	5		

Table 78. CBL-D8E1-RJ45/X Cable Pinout (Cont.)

	DB-25 Connector Pin	RJ-45 Connector Pin		
J1	8	1	P5	Twisted
	21	2		
J2	8	4		Twisted
	21	5		
J1	7	1	P6	Twisted
	20	2		
J2	7	4		Twisted
	20	5		
J1	6	1	P7	Twisted
	19	2		
J2	6	4		Twisted
	19	5		
J1	5	1	P8	Twisted
	18	2		
J2	5	4		Twisted
	18	5		

CBL-D8T1-RJ45/X

Adapter cable for the DXC D8T1 module, converting two DB-25 connectors to eight RJ-45 connectors. The CBL-D8T1-RJ45/X cable includes two DB-25 male and eight balanced RJ-45 connectors.

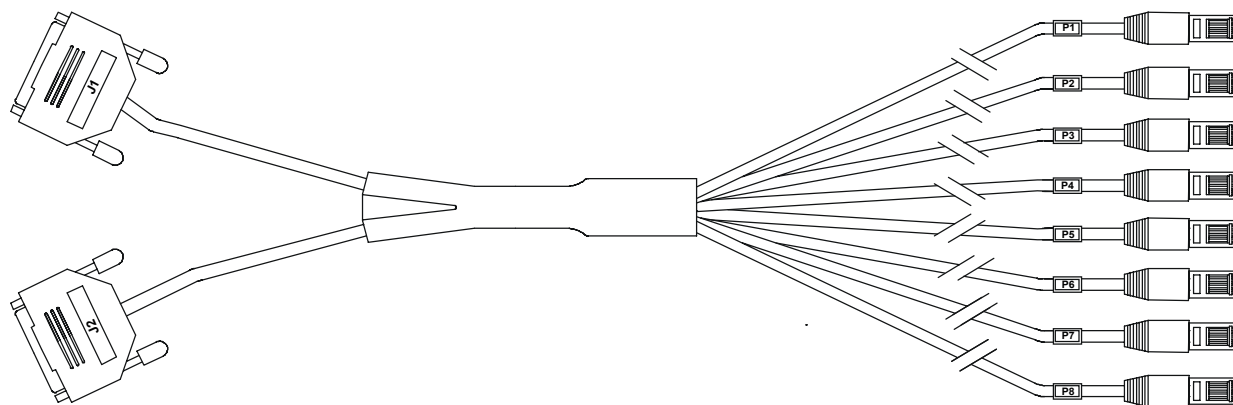


Figure 183. CBL-D8T1-RJ45/X Cable

Table 79. CBL-D8T1-RJ45/X Cable Pinout

	DB-25 Connector Pin	RJ-45 Connector Pin		
J1	12	1	P1	Twisted
	25	2		
J2	12	4	P2	Twisted
	25	5		
J1	11	1	P2	Twisted
	24	2		
J2	11	4	P2	Twisted
	24	5		
J1	10	1	P3	Twisted
	23	2		
J2	10	4	P3	Twisted
	23	5		
J1	9	1	P4	Twisted
	22	2		
J2	9	4	P4	Twisted
	22	5		

Table 79. CBL-D8E1-RJ45/X Cable Pinout (Cont.)

	DB-25 Connector Pin	RJ-45 Connector Pin		
J1	8	1	P5	Twisted
	21	2		
J2	8	4		Twisted
	21	5		
J1	7	1	P6	Twisted
	20	2		
J2	7	4		Twisted
	20	5		
J1	6	1	P7	Twisted
	19	2		
J2	6	4		Twisted
	19	5		
J1	5	1	P8	Twisted
	18	2		
J2	5	4		Twisted
	18	5		

CBL-D8U-RJ45/X

Adapter cable for the DXC D8U/D16U module, converting one DB-25 connector to eight RJ-45 connectors. The CBL-D8U-RJ45/X cable includes one DB-25 male and eight balanced RJ-45 connectors.

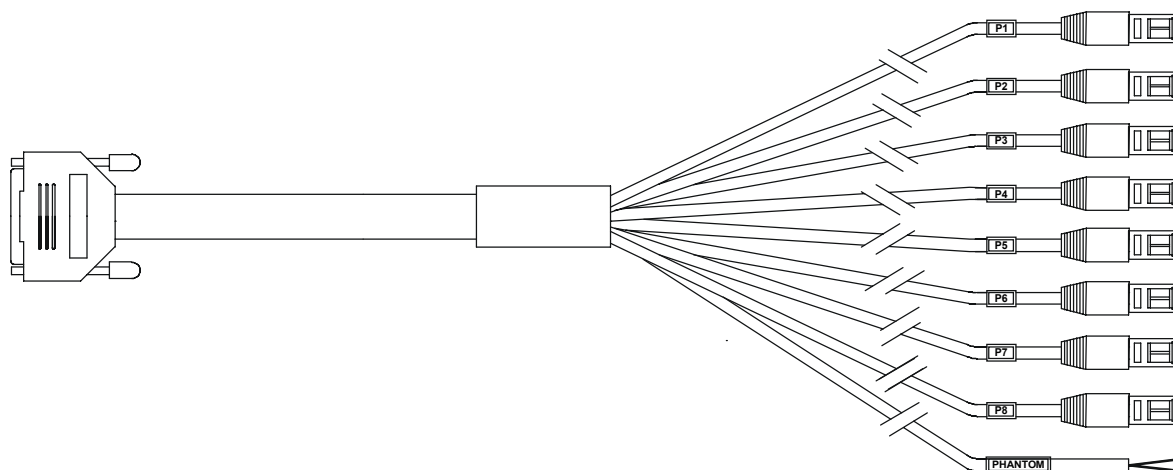


Figure 184. CBL-D8U-RJ45/X Cable

Table 80. CBL-D8U-RJ45/X Cable Pinout

	DB-25 Connector Pin	RJ-45 Connector Pin	
J1	16	4	P1
	8	5	
J1	19	4	P2
	7	5	
J1	20	4	P3
	8	5	
J1	21	4	P4
	9	5	
J1	17	4	P5
	5	5	
J1	16	4	P6
	4	5	
J1	15	4	P7
	3	5	
J1	14	4	P8
	2	5	
J1	12	Orange	PHANTOM
	25	White/Orange	

CBL-R-STM-1

Adapter cable for the SDH $42 \times E1$ module of DXC-STM-1, converting two DB-25 connectors to 11 RJ-45 connectors. The CBL-R-STM-1 cable includes two DB-25 female and 11 balanced RJ-45 connectors.

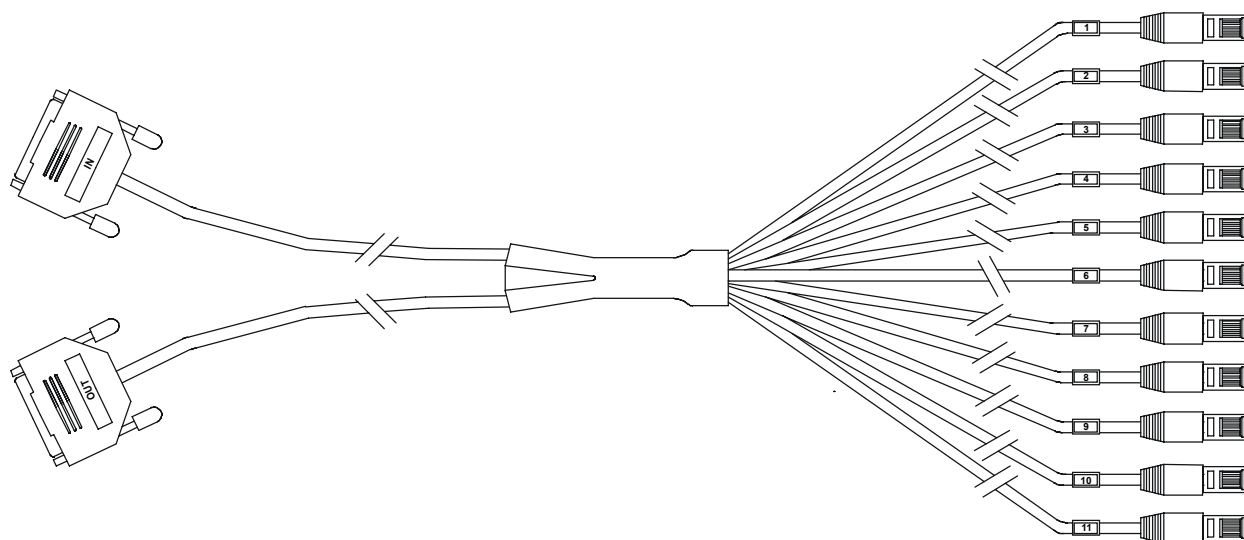


Figure 185. CBL-R-STM-1 Cable

Table 81. CBL-R-STM-1 Cable Pinout

	DB-25 Connector Pin	RJ-45 Connector Pin		
OUT	14	1	1	Twisted
	2	2		
IN	14	4	1	Twisted
	2	5		
OUT	15	1	2	Twisted
	3	2		
IN	15	4	2	Twisted
	3	5		
OUT	16	1	3	Twisted
	4	2		
IN	16	4	3	Twisted
	4	5		
OUT	17	1	4	Twisted
	5	2		
IN	17	4	4	Twisted
	5	5		

Table 81. CBL-R-STM-1 Cable Pinout (Cont.)

	DB-25 Connector Pin	RJ-45 Connector Pin		
OUT	18	1	5	Twisted
	6	2		
IN	18	4		Twisted
	6	5		
OUT	19	1	6	Twisted
	7	2		
IN	19	4		Twisted
	7	5		
OUT	20	1	7	Twisted
	8	2		
IN	20	4		Twisted
	8	5		
OUT	21	1	8	Twisted
	9	2		
IN	21	4		Twisted
	9	5		
OUT	22	1	9	Twisted
	10	2		
IN	22	4		Twisted
	10	5		
OUT	23	1	10	Twisted
	11	2		
IN	23	4		Twisted
	11	5		
OUT	24	1	11	Twisted
	12	2		
IN	24	4		Twisted
	12	5		

CBL-R-STM-1/ALM

Cable for connecting alarm equipment to DXC-STM-1. The CBL-R-STM-1/ALM cable includes one female DB-15 and one 15-wire open connectors.

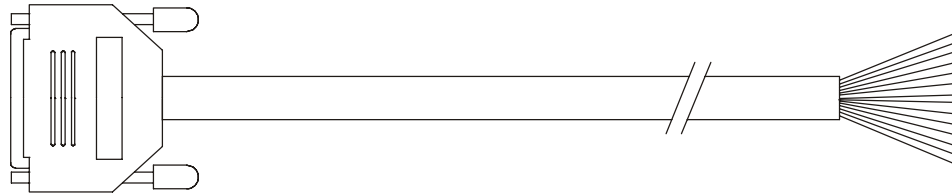


Figure 186. CBL-R-STM-1/ALM Cable

Table 82. CBL-R-STM-1/ALM Cable Pinout

DB-15 Connector Pin	Open Connector Wire	
1	Brown	Twisted
2	White/Brown	
3	Red	Twisted
4	White/Red	
5	Orange	Twisted
6	White/Orange	
7	Green	Twisted
8	White/Green	
10	Blue	Twisted
11	White/Blue	
12	Purple	Twisted
14	White/Purple	
13	Grey	Twisted
15	White/Grey	

CBL-KML.1/CROSS/MM

Cross cable for connecting two KML.1 main link modules of the Kilomux systems. The CBL-KML.1/CROSS/MM cable includes two male 34-pin connectors. The cable is 2m (6.5 ft) long.

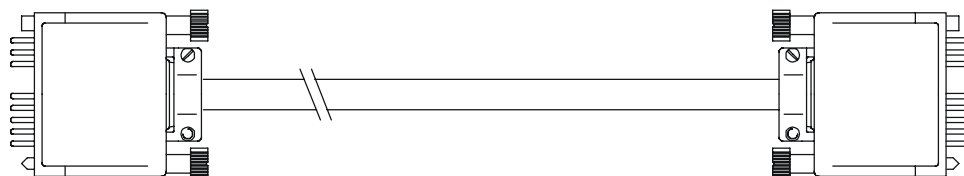


Figure 187. CBL-KML.1/CROSS/MM Cable

Table 83. CBL-KML.1/CROSS/MM Cable Pinout

34-pin Connector Pin	34-pin Connector Pin
A	A
B	B
P	R
S	T
R	P
T	S
V	Z
X	BB
Z	V
BB	X
U	Y
W	AA
Y	U
AA	W

CBL-KML.2/CROSS/MM

Cross cable for connecting two KML.2 main link modules of the Kilomux systems. The CBL-KML.2/CROSS/MM cable includes two male DB-25 connectors. The cable is 2m (6.5 ft) long.

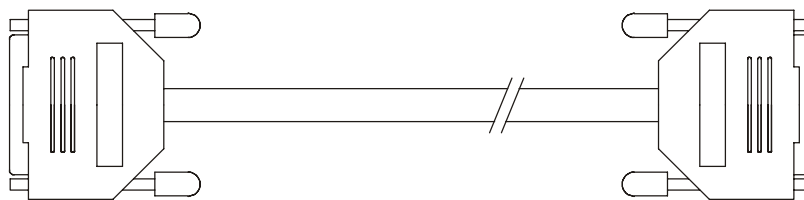


Figure 188. CBL-KML.2/CROSS/MM Cable

Table 84. CBL-KML.2/CROSS/MM Cable Pinout

DB-25 Connector Pin	DB-25 Connector Pin
1	1
2	3
3	2
7	7
11	17
15	24
17	11
24	15

CBL-KML.3/CROSS/MM

Cross cable for connecting two KML.3 main link modules of the Kilomux systems. The CBL-KML.3/CROSS/MM cable includes two male DB-25 connectors. The cable is 2m (6.5 ft) long.

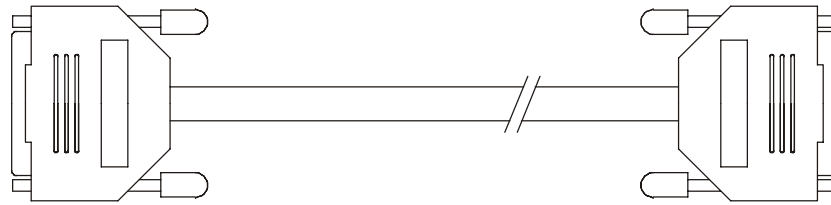


Figure 189. CBL-KML.3/CROSS/MM Cable

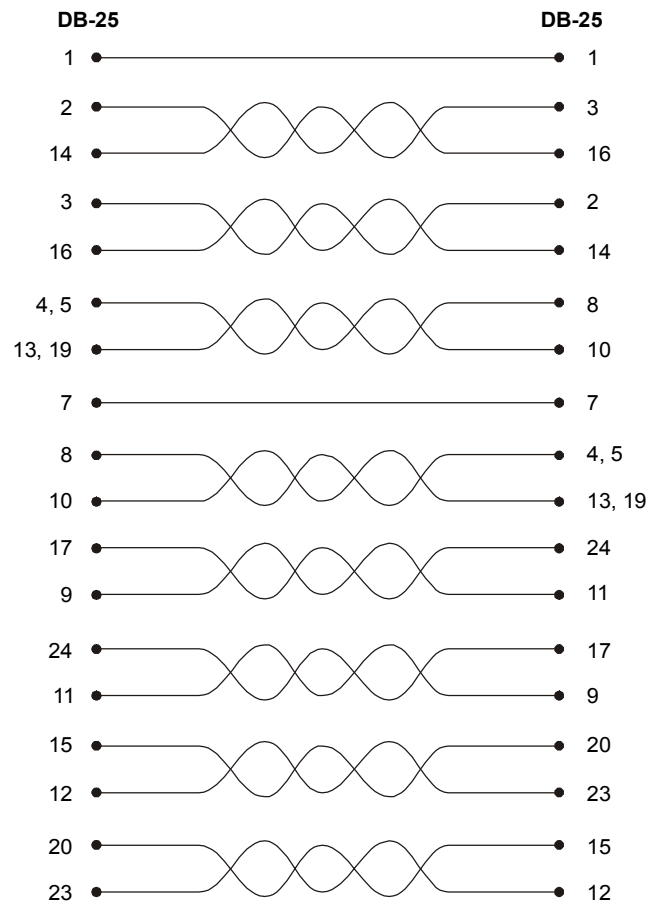


Figure 190. CBL-KML.3/CROSS/MM Cable Pinout

CBL-KML.4/CROSS/MM

Cross cable for connecting two KML.4 main link modules of the Kilomux systems. The CBL-KML.4/CROSS/MM cable includes two male DB-15 connectors. The cable is 2m (6.5 ft) long.

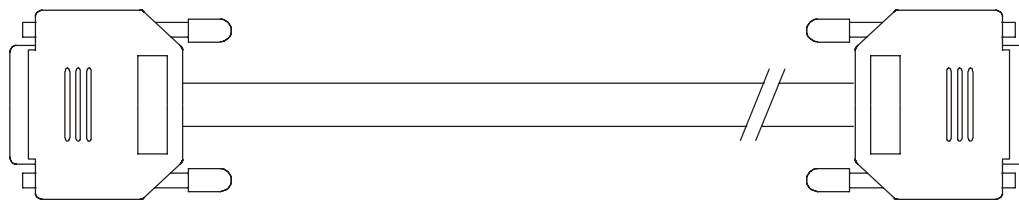


Figure 191. CBL-KML.4/CROSS/MM Cable

Table 85. CBL-KML.4/CROSS/MM Cable Pinout

DB-15 Connector Pin	DB-15 Connector Pin
1	1
2	4
4	2
6	7
7	6
8	8
9	11
11	9
13	14
14	13

CBL-V.35/CVS/STR

Cable for connecting RAD's CVS to DHS equipment. The CBL-V.35/CVS/STR cable includes one male DB-25 and one male 34-pin connectors.

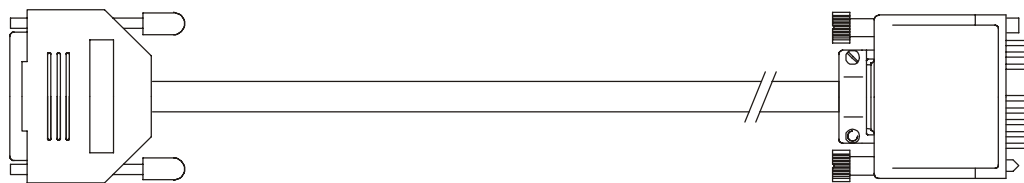


Figure 192. CBL-V.35/CVS/STR Cable

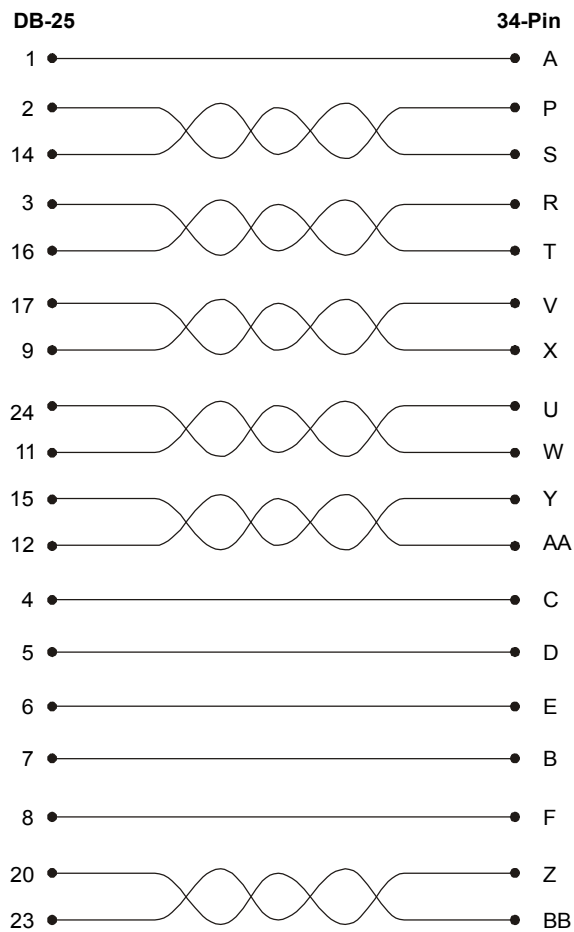


Figure 193. CBL-V.35/CVS/STR Cable Pinout

CBL-4SF/X.21/F

Cable for connecting the FOM-4SF modem to user equipment.
The CBL-4SF/X.21/F cable includes one male DB-25 and one female DB-15 connectors.

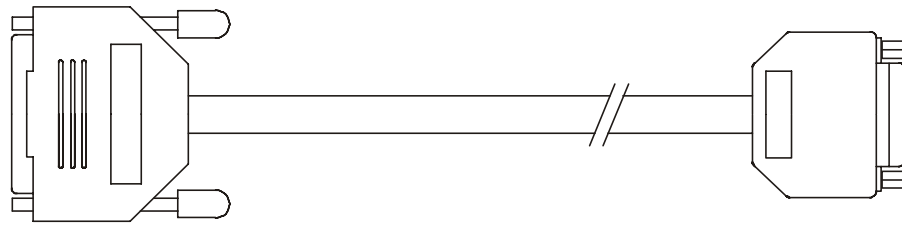


Figure 194. CBL-4SF/X.21/F Cable

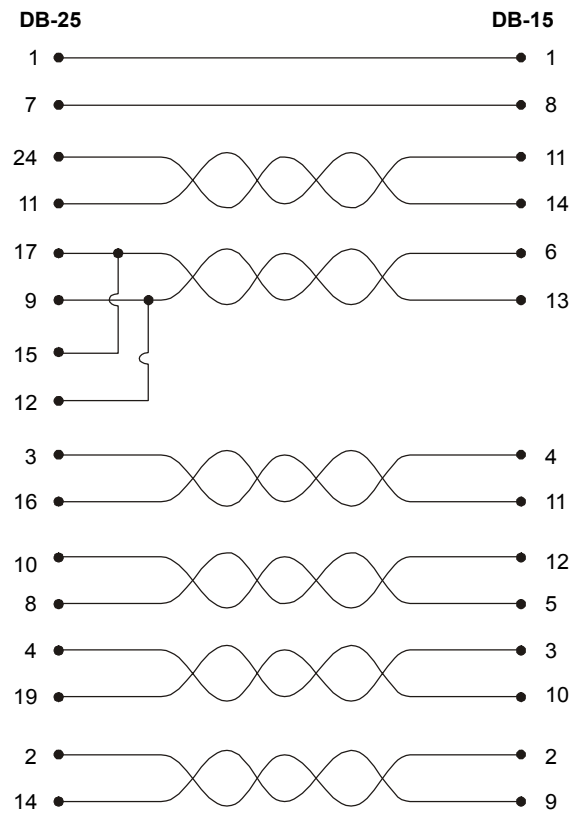


Figure 195. CBL-4SF/X.21/F Cable Pinout

CBL-SP-9

Straight cable with one male and two female DB-9 connectors.

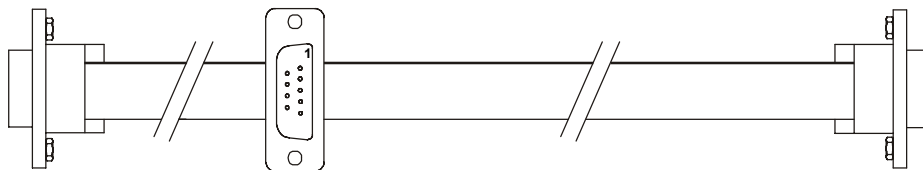


Figure 196. CBL-SP-9 Cable, Top View

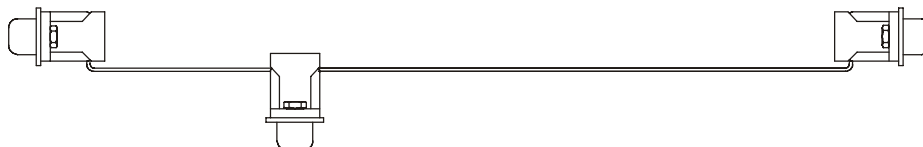


Figure 197. CBL-SP-9 Cable, Side View

CBL-SCS40/530

Adapter cable for connecting the Megaplex HS-6 and HS-12 modules to user equipment with RS-530 interface. The CBL-SCS40/530 cable includes one male 40-pin SCSI and two male or female DB-25 connectors. The pinout of the male and female cables is the same.

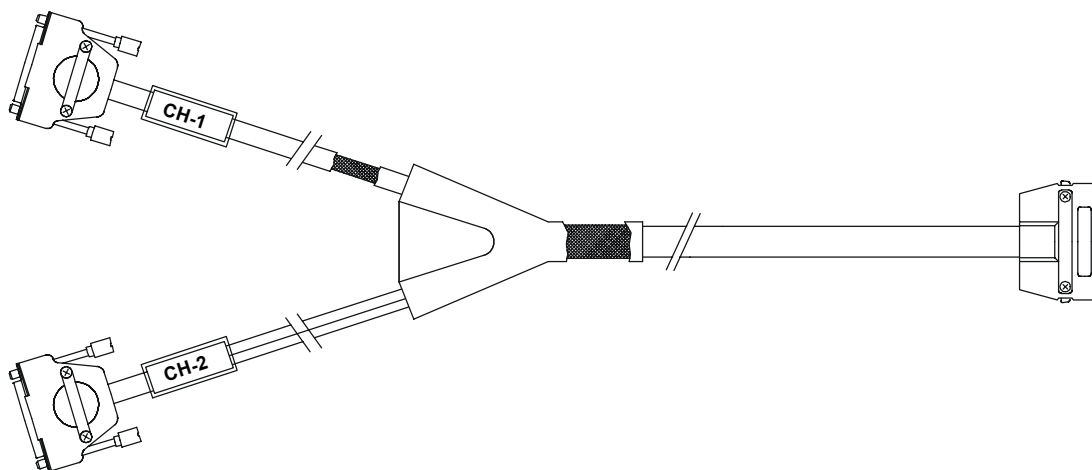


Figure 198. CBL-SCS40/530 Cable

Table 86. CBL-SCS40/530 Cable Pinout, CH-1

SCSI-40 Connector Pin	DB-25 Connector Pin	
1	3	Twisted
21	16	
2	15	Twisted
22	12	
3	17	Twisted
23	9	
4	20	Twisted
24	23	
5	24	Twisted
25	11	
6	2	Twisted
26	14	
7	5	Twisted
27	13	
8	6	Twisted
28	22	
9	8	Twisted
29	10	
10	4	Twisted
30	19	
11	1	
31	7	

Table 87. CBL-SCS40/530 Cable Pinout, CH-2

SCSI-40 Connector Pin	DB-25 Connector Pin	
12	3	Twisted
32	16	
13	15	Twisted
33	12	
14	17	Twisted
34	9	
15	20	Twisted
35	23	
16	24	Twisted
36	11	
17	2	Twisted
37	14	
18	5	Twisted
38	13	
8	6	Twisted
28	22	
19	8	Twisted
39	10	
20	4	Twisted
40	19	
11	1	
31	7	

CBL-SCS40/V35

Adapter cable for connecting the Megaplex HS-6 and HS-12 modules to user equipment with V.35 interface. The CBL-SCS40/V35 cable includes one male 40-pin SCSI and two male or female 34-pin connectors. The pinout of the male and female cables is the same.

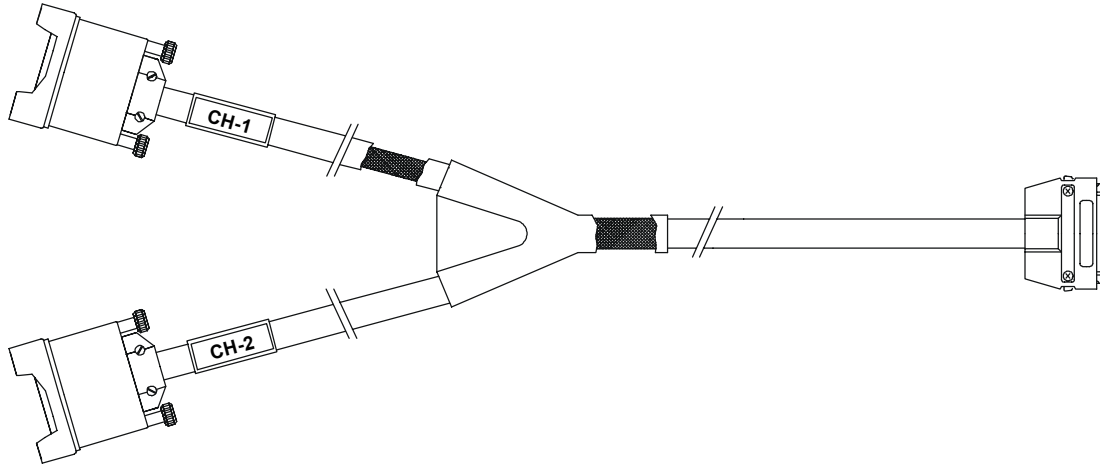


Figure 199. CBL-SCS40/V35/F Cable

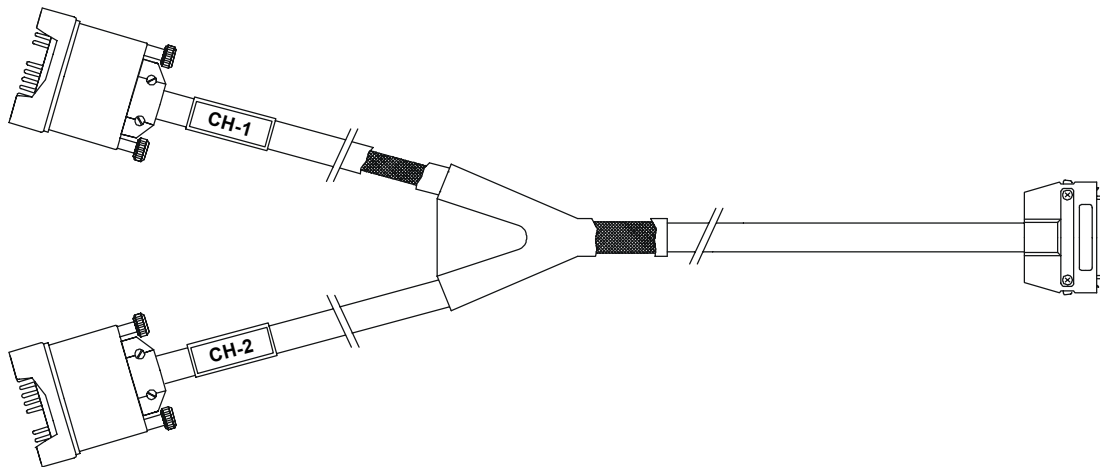


Figure 200. CBL-SCS40/V35/M Cable

Table 88. CBL-SCS40/V35 Cable Pinout, CH-1

SCSI-40 Connector Pin	34-Pin Connector Pin	
1	R	Twisted
21	T	
2	Y	Twisted
22	AA	
3	V	Twisted
23	X	
4	BB	Twisted
24	Z	
5	U	Twisted
25	W	
6	P	Twisted
26	S	
7	D	
27		
8	E	
28		
9	F	
29		
10	C	
30		
11	A	
31	B	

Table 89. CBL-SCS40/V35 Cable Pinout, CH-2

SCSI-40 Connector Pin	34-Pin Connector Pin	
12	R	Twisted
32	T	
13	Y	Twisted
33	AA	
14	V	Twisted
34	X	
15	BB	Twisted
35	Z	
16	U	Twisted
36	W	
17	P	Twisted
37	S	
18	D	
38		
8	E	
28		
19	F	
39		
20	C	
40		
11	A	
31	B	

CBL-SCS40/X21

Adapter cable for connecting the Megaplex HS-6 and HS-12 modules to user equipment with X.21 interface. The CBL-SCS40/X21 cable includes one male 40-pin SCSI and two male or female DB-15 connectors. The pinout of the male and female cables is the same.

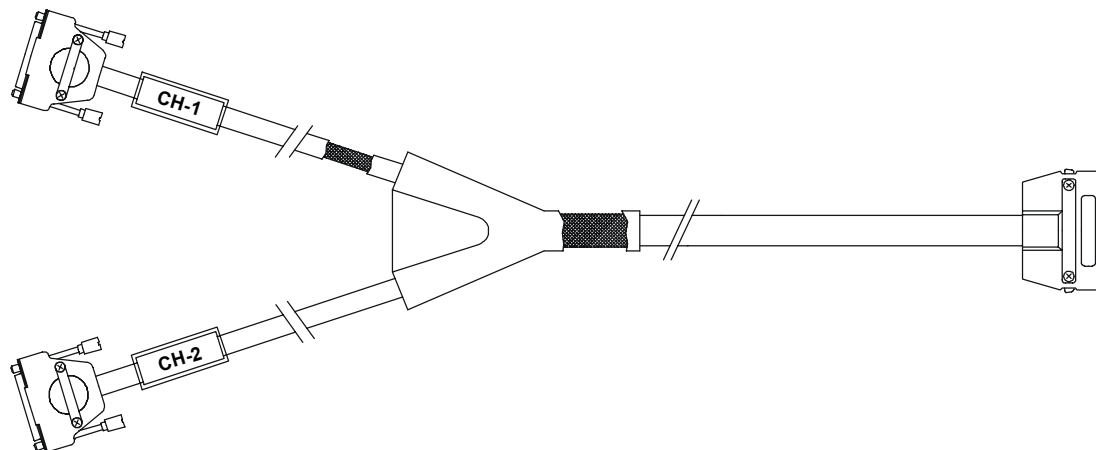


Figure 201. CBL-SCS40/X21 Cable

Table 90. CBL-SCS40/X21 Cable Pinout, CH-1

SCSI-40 Connector Pin	DB-15 Connector Pin	
1	4	Twisted
21	11	
2	6	Twisted
22	13	
4 (connected to 5)		
24 (connected to 25)		
5 (connected to 4)	7	Twisted
25 (connected to 24)	14	
6	2	Twisted
26	9	
9	5	Twisted
29	12	
10	3	Twisted
30	10	
11	1	
31	8	

Table 91. CBL-SCS40/X21 Cable Pinout, CH-2

SCSI-40 Connector Pin	DB-15 Connector Pin	
12	4	Twisted
32	11	
13	6	Twisted
33	13	
15 (connected to 16)		
35 (connected to 36)		
16 (connected to 15)	7	Twisted
36 (connected to 35)	14	
17	2	Twisted
37	9	
19	5	Twisted
39	12	
20	3	Twisted
40	10	
11	1	
31	8	

CBL-CQ-V35

Splitter cable for connecting SCSI-68 connector to four V.35 ports.
The CBL-CQ-V35 cable includes one male 68-pin SCSI and four female 34-pin connectors.

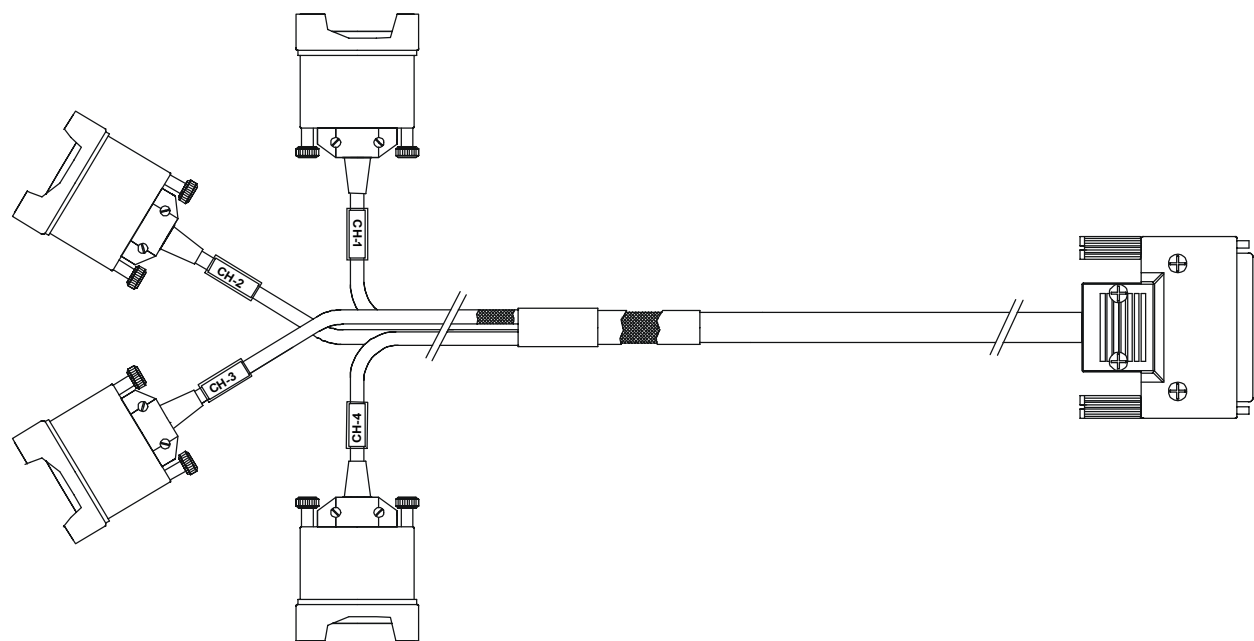


Figure 202. CBL-CQ-V35 Cable

Table 92. CBL-CQ-V35 Cable Pinout

	34-Pin Connector Pin	SCSI-68 Connector Pin	
CH-1	R	2	Twisted
	T	1	
	Y	36	Twisted
	AA	35	
	V	3	Twisted
	X	5	
	U	42	Twisted
	W	44	
	P	39	Twisted
	S	41	
	F	6	Twisted
	NC	8	
	C	37	Twisted
	NC	4	
	A	38	Twisted
	B	43	

Table 92. CBL-CQ-V35 Cable Pinout (Cont.)

	34-Pin Connector Pin	SCSI-68 Connector Pin	
CH-2	R	11	Twisted
	T	13	
	Y	7	Twisted
	AA	9	
	V	15	Twisted
	X	17	
	U	48	Twisted
	W	50	
	P	45	Twisted
	S	47	
	F	14	Twisted
	NC	16	
	C	10	Twisted
	NC	12	
	A	46	Twisted
	B	51	
CH-3	R	25	Twisted
	T	23	
	Y	29	Twisted
	AA	27	
	V	21	Twisted
	X	19	
	U	56	Twisted
	W	58	
	P	53	Twisted
	S	55	
	F	22	Twisted
	NC	24	
	C	18	Twisted
	NC	20	
	A	52	Twisted
	B	57	

Table -92. CBL-CQ-V35 Cable Pinout (Cont.)

	34-Pin Connector Pin	SCSI-68 Connector Pin	
CH-4	R	67	Twisted
	T	34	
	Y	66	Twisted
	AA	68	
	V	33	Twisted
	X	31	
	U	62	Twisted
	W	63	
	P	59	Twisted
	S	61	
	F	30	Twisted
	NC	32	
	C	26	Twisted
	NC	28	
	A	60	Twisted
	B	65	

CBL-CQ-X21

Splitter cable for connecting SCSI-68 connector to four X.21 ports.
The CBL-CQ-X21 cable includes one male 68-pin SCSI and four female DB-15 connectors.

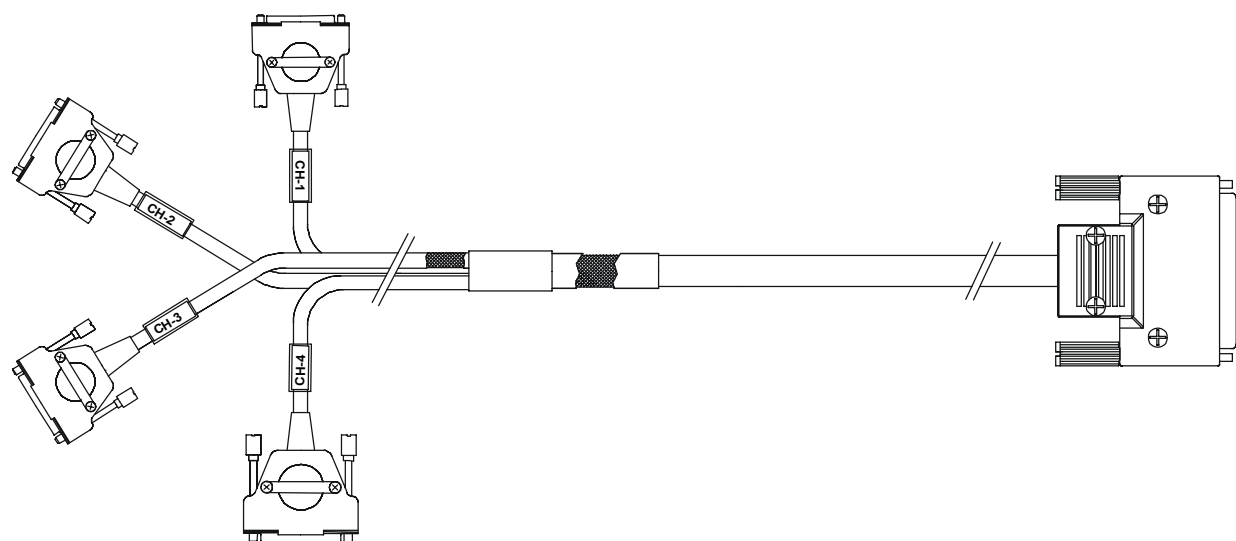


Figure 203. CBL-CQ-X21 Cable

Table 93. CBL-CQ-X21 Cable Pinout

	DB-15 Connector Pin	SCSI-68 Connector Pin	
CH-1	4	2	Twisted
	11	1	
	6	36	Twisted
	13	35	
	NC	3	Twisted
	NC	5	
	7	42	Twisted
	14	44	
	2	39	Twisted
	9	41	
	5	6	Twisted
	12	8	
	3	37	Twisted
	10	4	
	1	38	Twisted
	8	43	

Table 93. CBL-CQ-X21 Cable Pinout (Cont.)

	DB-15 Connector Pin	SCSI-68 Connector Pin	
CH-2	4	11	Twisted
	11	13	
	6	7	Twisted
	13	9	
	NC	15	Twisted
	NC	17	
	7	48	Twisted
	14	50	
	2	45	Twisted
	9	47	
	5	14	Twisted
	12	16	
	3	10	Twisted
	10	12	
	1	46	Twisted
	8	51	
CH-3	4	25	Twisted
	11	23	
	6	29	Twisted
	13	27	
	NC	21	Twisted
	NC	19	
	7	56	Twisted
	14	58	
	2	53	Twisted
	9	55	
	5	22	Twisted
	12	24	
	3	18	Twisted
	10	20	
	1	52	Twisted
	8	57	

Table 93. CBL-CQ-X21 Cable Pinout (Cont.)

	DB-15 Connector Pin	SCSI-68 Connector Pin	
CH-4	4	67	Twisted
	11	34	
	6	66	Twisted
	13	68	
	NC	33	Twisted
	NC	31	
	7	62	Twisted
	14	63	
	2	59	Twisted
	9	61	
	5	30	Twisted
	12	32	
	3	26	Twisted
	10	28	
	1	60	Twisted
	8	65	

CBL-CQ-RS530

Splitter cable for connecting SCSI-68 connector to four RS-530 ports.
The CBL-CQ-RS530 cable includes one male 68-pin SCSI and four female DB-25 connectors.

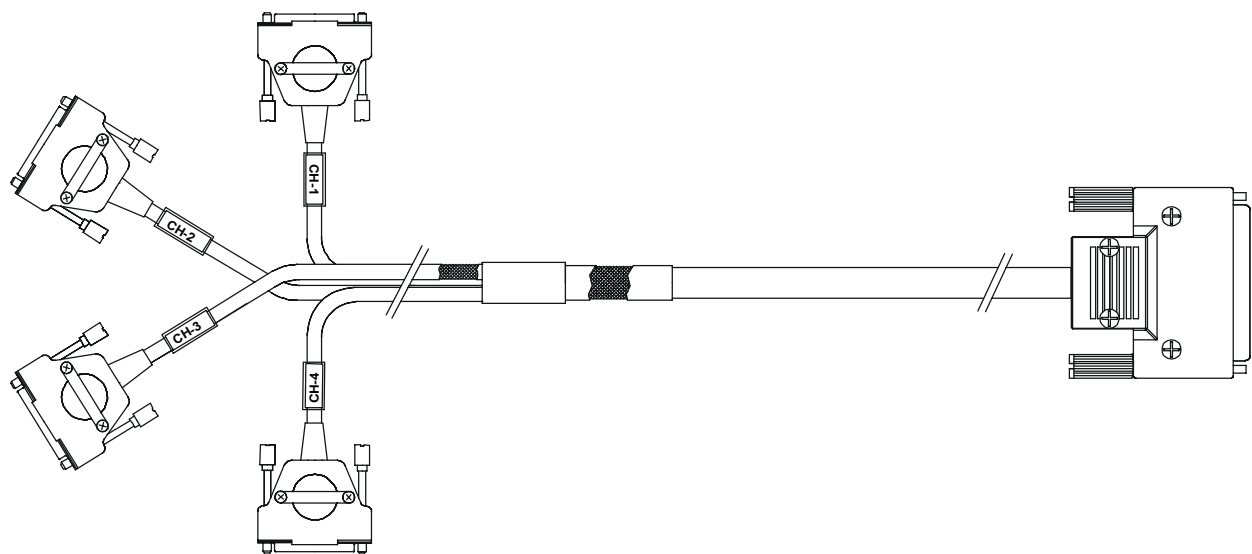


Figure 204. CBL-CQ-RS530 Cable

Table 94. CBL-CQ-RS530 Cable Pinout

	DB-25 Connector Pin	SCSI-68 Connector Pin	
CH-1	3	2	Twisted
	16	1	
	15	36	Twisted
	12	35	
	17	3	Twisted
	9	5	
	24	42	Twisted
	11	44	
	2	39	Twisted
	14	41	
	8	6	Twisted
	10	8	
	4	37	Twisted
	19	4	
	1	38	Twisted
	7	43	

Table -94. CBL-CQ-RS530 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin	
CH-2	3	11	Twisted
	16	13	
	15	7	Twisted
	12	9	
	17	15	Twisted
	9	17	
	24	48	Twisted
	11	50	
	2	45	Twisted
	14	47	
	8	14	Twisted
	10	16	
	4	10	Twisted
	19	12	
	1	46	Twisted
	7	51	
CH-3	3	25	Twisted
	16	23	
	15	29	Twisted
	12	27	
	17	21	Twisted
	9	19	
	24	56	Twisted
	11	58	
	2	53	Twisted
	14	55	
	8	22	Twisted
	10	24	
	4	18	Twisted
	19	20	
	1	52	Twisted
	7	57	

Table -94. CBL-CQ-RS530 Cable Pinout (Cont.)

	DB-25 Connector Pin	SCSI-68 Connector Pin	
CH-4	3	67	Twisted
	16	34	
	15	66	Twisted
	12	68	
	17	33	Twisted
	9	31	
	24	62	Twisted
	11	63	
	2	59	Twisted
	14	61	
	8	30	Twisted
	10	32	
	4	26	Twisted
	19	28	
	1	60	Twisted
	7	65	