

IMACS

Integrated Multiple Access Communications Server

Cable and Equipment Guide

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Premisys Communications

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Product Description

This IMACS Cable and Equipment Guide is intended to provide the user with assistance in the selection of appropriate cables and adapters connecting IMACS products to customer provided equipment. This Guide includes a complete list of cable pinouts and connections (where applicable).

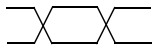
Organization

Cables, connectors and equipment are sorted alpha-numerically in this Guide, according to the applicable part number. To facilitate selection of the proper equipment, the first part of this Guide provides tables that list all of the equipment by part number. Additionally, there are tables that show each card requiring cables, the proper cable numbers and a list of possible connections.

Page Layout

This Guide was designed to adhere to the following conventions. The header on each page contains the document name. The footer on each page includes the date, publication number and revision number of this Guide.

Conventions



This graphic indicates a twisted-pair connection between the pin numbers listed on either side of the graphic.



This graphic indicates the signal flow direction between the pin numbers listed on either side of the graphic.

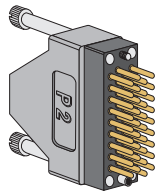
Customer Service and Ordering Information

Technical Support

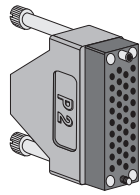
If you purchased this product from an authorized dealer, distributor, Value Added Reseller (VAR), or third party, please contact that vendor for technical assistance and warranty support.

Ordering Information

To order equipment, cables, or additional copies of this Guide, please contact your distributor.



M34 Male



M34 Female



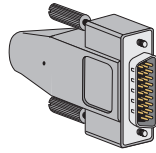
RJ-45 port
(upright)



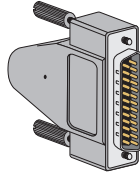
RJ-45 port
(upside-down
and sideways)



C-50 Female
(upside-down
and sideways)



DB26 Male
(gray cable)



DB25 Male
(gray cable)



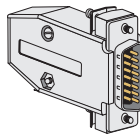
RJ-45 plug



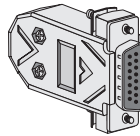
RJ-45 port
(sideways)



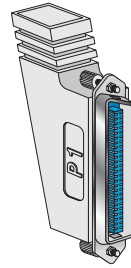
C-50 Female
(sideways)



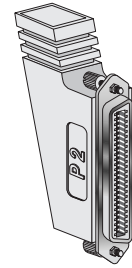
DB15 Male



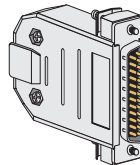
DB15 Female



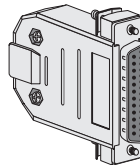
C-50 Male



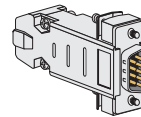
C-50 Female



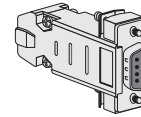
DB25 Male



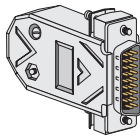
DB25 Female



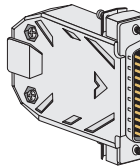
DB9 Male



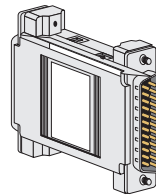
DB9 Female



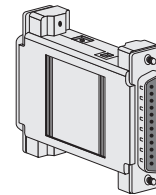
DB26 Male
(Northern Technologies)



DB25 Male
(Northern Technologies)

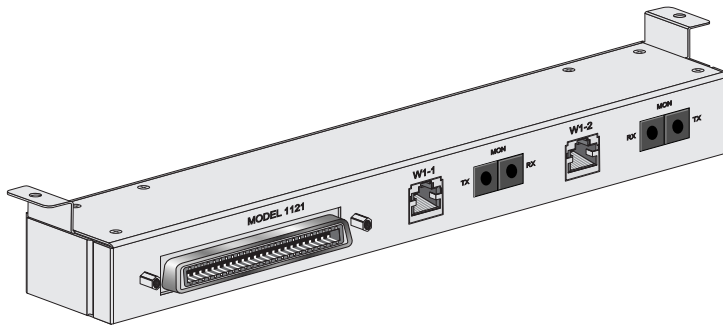


DB25 Male-Female
(Male view)

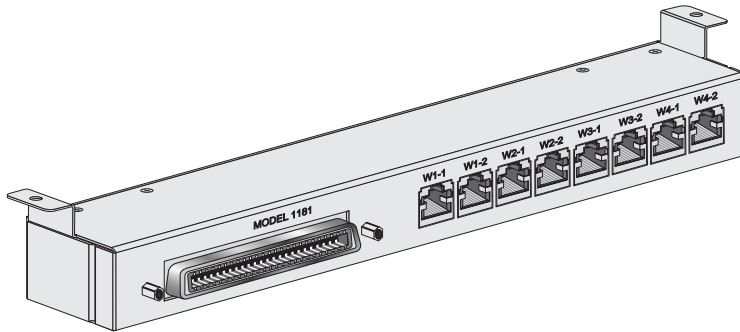


DB25 Male-Female
(Female view)

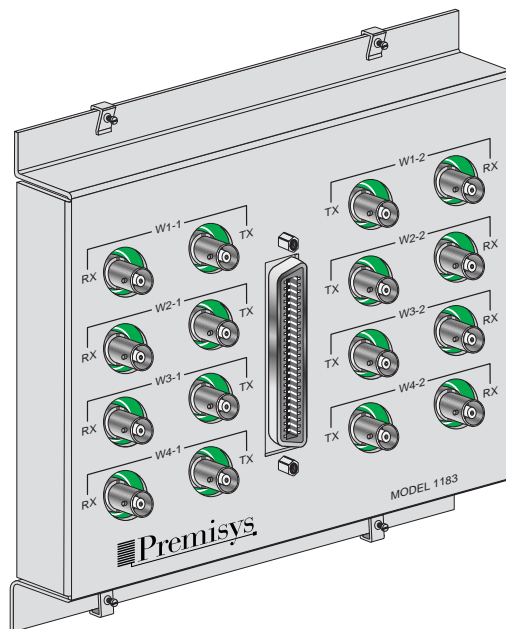
DB25 Male-Female
also forms the 1251, 1252,
and 1253 Personality Modules



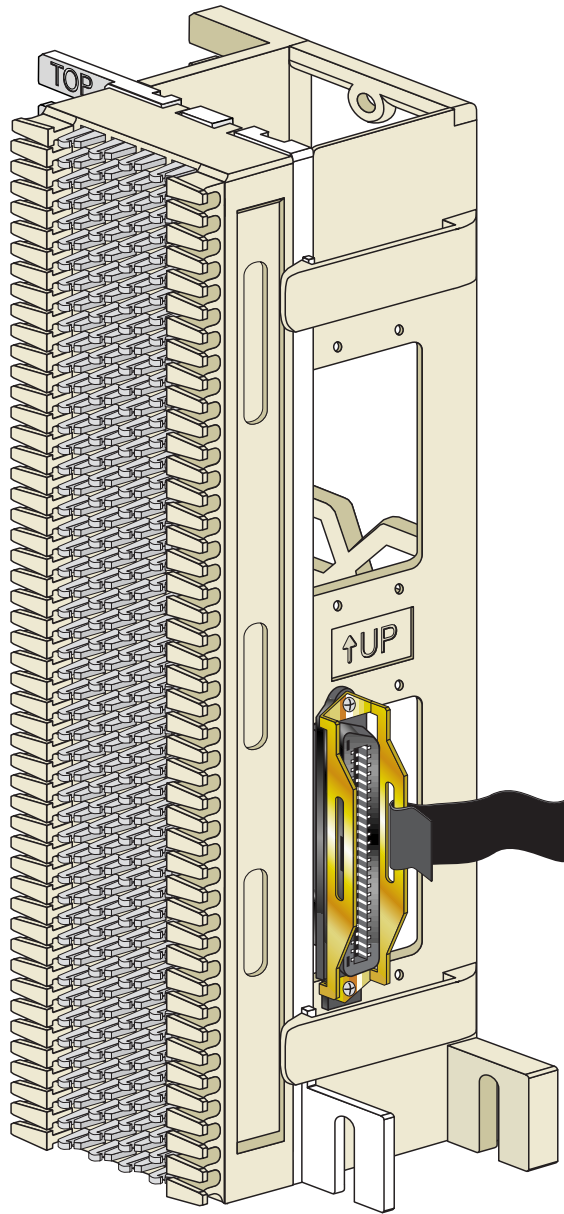
Model 1121 Adapter



Model 1181 Adapter



Model 1183 E1 Distribution Panel



Model 1504 M66 Terminal Block

Regulatory Compliance Information

FCC Part 15 Rules

The equipment referenced in connection with, and included in this Guide has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this Guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference, in which case, the user will be required to correct the interference at their own expense.

The authority to operate this equipment is conditioned by the requirement that no modifications will be made to the equipment unless the changes or modifications are expressly approved by the manufacturer.

Disclaimer for Shielded Cables

It is recommended that shielded input/output and interface cables be used to reduce interference whenever interference is suspected.

Cable and Equipment List by Model Number

Model #	Length	Description	Page#
1102F	6'	DB-25(F) to RJ-48(M) VT100 Terminal Cable	1
1102M	6'	DB-25(F) to RJ-48(M) VT100 Terminal Cable	1
1104F	6'	RJ-48(M) to DB-25(F) Adapter Cable	2
1104M	6'	RJ-48(M) to DB-25(M) Adapter Cable	2
1106	4"	RJ-48(F) to two BNC (for E1)	4
1114C	5'	RJ-48(M) to DB-25(F) External SRU Clock Cable	5
1114CX	5'	RJ-48(M) to DB-25(F) External SRU Clock Cable	6
1114F	5'	RJ-48(M) to DB-25(F) Straight-thru for SRU	7
1114M	5'	RJ-48(M) to DB-25(M) for SRU	7
1114X	5'	RJ-48(M) to DB-25(M) Crossover for SRU	8
1118M	25'	RJ-48(M) to RJ-48(M) Silver Satin for OCU card	9
1121	9"	Amphenol (F) to two RJ-48(F) Adapter	10
1181	9"	Amphenol (F) to 8 RJ-48(F) Adapter	11
1201F	15'	DB-9(M) to DB-25(F) RS232 for Interface card	14
1201M	15'	DB-9(M) to DB-25(M) RS232 for Interface card	14
1202F	15'	DB-9(M) to DB-25(F) Management Cable	15
1202M	15'	DB-9(M) to DB-25(M) Management Cable	15
1203F	5'	DB-25(M) to M-34(F) V.35 for HSU card	16
1203M	5'	DB-25(M) to M-34(M) V.35 for HSU card	16
1203X	5'	DB-25(M) to M-34(M) V.35 Crossover for HSU	17
1204F	5'	DB-25(M) to DB-25(F) RS530 for HSU card	18
1204M	5'	DB-25(M) to DB-25(M) RS530 for HSU card	18
1204X	5'	DB-25(M) to DB-25(M) RS530 Crossover for HSU	20
1205	5'	RJ-48(M) to RJ-48(M) Cable for T-1	21
1206F	5'	DB15(M) to DB25(F) for RS366 HSU ports	22
1207	6'	3 Amphenol(M) to 4 Amphenol(M)	23
1208	6'	3 Amphenol(M) to 1 Amphenol(M)	32
1209	6'	3 Amphenol(M) to two Amphenol(M)	35

1210	5'	Amphenol(M) to Amphenol(M)	38
1210S	3'	Amphenol(M) to Amphenol(M) (Short)	Not shown
1211	5'	DB-37(M) to DB-25(M)	40
1212F	5'	DB25(M) to DB37(F) RS449 for HSU card	42
1212M	5'	DB25(M) to DB37(M) RS449 for HSU card	42
1212X	5'	DB25(M) to DB37(M) RS449 Crossover for HSU card	44
1213	5'	Amphenol(M) to 2 RJ48 for Interface card	45
1215F	5'	RJ-48(M) to DB-15(F)	46
1215M	5'	RJ-48(M) to DB-15(M)	47
1215X	5'	RJ-48(M) to DB-15(M) Crossover	46
1216F	15'	RJ-48(M) to DB-25(F) for VT-100	48
1216M	15'	RJ-48(M) to DB-25(M) for VT-100	48
1217	25'	RJ-11(M) to RJ-11(M) Dial Modem	Not shown
1218	5'	DB-15(M) to open-ended cable for DSO-DP	Not shown
1219F	15'	DB-9(F) to RJ-48(M)	49
1220	25'	Amphenol(F) to Amphenol(M) extension	Not shown
1220X	25'	Amphenol(M) to Amphenol(F) extension	50
1221	25'	DB-25(M) to DB-25(F) RS232 Extension	52
1222	25'	DB-25(M) to DB-25(F) RS530 Extension	53
1224	25'	DB-25(M) to DB-25(F) V.35 Extension	55
1225M	5'	DB-25(M) to DB-25(F) V.35 Extension	57
1230	1'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	59
1231	25'	RJ-48(M) to RJ-48(M) T1 grade cable (shielded)	59
1232	50'	RJ-48(M) to RJ-48(M) T1 grade cable (shielded)	59
1233	100'	RJ-48(M) to RJ-48(M) T1 grade cable (shielded)	59
1239	14"	"Y" Adapter for WAN redundancy	60
1240	5"	DB-26(M) to DB-5(F) RS530	61
1251	2.5"	RS530 to V.35 Personality Module	63
1252	2.5"	RS530 to RS232 Personality Module	63
1255	1"	DB-25 Female to Female Gender Changer	63

1257	1'	V.35 M34 Female to Female Gender Changer	64
1258	1"	RS449 DB37 Female to Female Gender Changer	Not shown
1260F	6'	DB-25(M) to V.35(F) Adapter Cable	65
1260M	6'	DB-25(M) to V.35(m) Adapter Cable	66
1261F	5'	DB-25(M) to V.35(F) V.35	68
1261M	5'	DB-25(M) to V.35(M) V.35	68
1261X	5'	DB-25(M) to v.35(M) V.35 Crossover	70
1263F	5'	DB-26(M) to M-34(F) V.35	71
1263M	5'	DB-26(M) to M-34(M) V.35	71
1263X	5'	DB-26(M) to M-34(M) V.35 Crossover	73
1264F	5'	DB-26(M) to DB-25(F) RS530	74
1264M	5'	DB-26(M) to DB-25(M) RS530	74
1264X	5'	DB-26(M) to DB-25(M) RS530 Crossover	76
1265F	5'	DB-26(M) to DB-37(F) RS449M	77
1265M	5'	DB-26(M) to DB-37(M) RS449M	77
1265X	5'	DB-26M to DB-37(M) RS449M Crossover	79
1266F	5'	DB-15(F) to DB-25(M) for X.21 connections	81
1266M	5'	DB-15(M) to DB-25(M) for X.21 connections	82
1268	25'	DB-26(M) to DB26(F) V.35 extension	83
1269	25'	DB-26(M) to DB-26(F) RS530 extension	84
1504	10"	66M Block with 2 Amphenol(F)	85

Cable and Equipment List by Function

Cables used with the 8202 HSU Card without switches

Cable	Length	Description	Possible Connections	Page
1203F	5'	DB25(M) to M34(F) V.35	8202 to 1251 to 1203F to V.35 DTE	16
1203M	5'	DB25(M) to M34(M) V.35	8202 to 1251 to 1203M to V.35 DTE	16
1203X	5'	DB25(M) to M34(M) V.35 Crossover	8202 to 1251 to 1203X to V.35 DCE	17
1204F	6'	DB25(M) to DB25(F) RS530	8202 to 1204F to RS530 DTE	18
1204M	6'	DB25(M) to DB25(M) RS530	8202 to 1204M to RS530 DTE	18
1204X	6'	DB25(M) to DB25(M) RS530 Crossover	8202 to 1204X to RS530 DCE	20
1212F	5'	DB25(M) to DB37(F) RS449	8202 to 1212F to RS449 DTE	42
1212M	5'	DB25(M) to DB37(M) RS449	8202 to 1212M to RS449 DTE	42
1212X	5'	DB25(M) to DB37(M) Crossover RS449	8202 to 1212X to RS449 DCE	44
1222	25'	DB25(M) to DB25(F) RS530 Extension	8202 to 1222 to 1251 to 1203M or X 8202 to 1222 to 1204F, M or X 8202 to 1222 to 1212F, M or X 8202 to 1222 to 1252 to RS232 DTE	53
1251	2.5"	RS530 to V.35 Personality Module	8202 to 1251 to 1203F, M or X to V.35 DTE/DCE	63
1252	2.5"	RS530 to RS232 Personality Module	8202 to 1252 to 1221 to RS232 DTE	63
1255	1"	DB25 (F) to (F) gender changer	1204X, 1251, 1252 or 1222	Not shown
1257	1'	M34 V.35 (F) to (F) gender changer	1203X	64
1258	1"	DB37 RS449 (F) to (F) gender changer	1212X	Not shown

Cables used with the 8203 or the 8202 HSU Card with switches

Cable	Length	Description	Possible Connections	Page
1261F	5'	DB25(M) to M34(F) V.35	8202 to 1261F to V.35 DTE	68
1261M	5'	DB25(M) to M34(M) V.35	8202 to 1261M to V.35 DTE	68
1261X	5'	DB25(M) to M34(M) V.35 Crossover	8202 to 1261X to V.35 DCE	70
1204F	6'	DB25(M) to DB25(F) RS530	8202 to 1204F to RS530 DTE	18
1204M	6'	DB25(M) to DB25(M) RS530	8202 to 1204M to RS530 DTE	18
1204X	6'	DB25(M) to DB25(M) RS530 Crossover	8202 to 1204X to RS530 DCE	20
1212F	5'	DB25(M) to DB37(F) RS449	8202 to 1212F to RS449 DTE	42
1212M	5'	DB25(M) to DB37(M) RS449	8202 to 1212M to RS449 DTE	42
1212X	5'	DB25(M) to DB37(M) Crossover RS449	8202 to 1212X to RS449 DCE	44
1252	2.5"	RS530 to RS232 Personality Module	8202 to 1252 to 1221 to RS232 DTE	63
1255	1"	DB25 (F) to (F) gender changer	1204X, 1251, 1252 or 1222	Not shown
1257	1'	M34 V.35 (F) to (F) gender changer	1203X	64
1258	1"	DB37 RS449 (F) to (F) gender changer	1212X	Not shown

Cables used with the 8212 HSU Card

Cable	Length	Description	Possible Connections	Page
1203F	5'	DB25(M) to M34(F) V.35	8212 to 1203F to V.35 DTE	16
1203M	5'	DB25(M) to M34(M) V.35	8212 to 1203M to V.35 DTE	16
1203X	5'	DB25(M) to M34(M) V.35 Crossover	8212 to 1203X to V.35 DCE	17
1224	25'	DB25(M) to DB25(F) V.35 Extension	8212 to 1224 to 1203F, M or X	55
1257	5"	M34 V.35 (F) to (F) gender changer	1203X	64
1258	1"	DB37 RS449 (F) to (F) gender changer	1212X	Not shown

Cables used with the 8214 HSU Card

Cable	Length	Description	Possible Connections	Page
1260F	5'	DB25(M) to M34(F) V.35	8212 to 1260F to V.35 DTE	65
1260M	5'	DB25(M) to M34(M) V.35	8212 to 1260M to V.35 DTE	66
1224	25'	DB25(M) to DB25(F) V.35 Extension	8212 to 1224 to 1260F, M or X	55
1257	5"	M34 V.35 (F) to (F) gender changer	1203X	64
1258	1"	DB37 RS449 (F) to (F) gender changer	1212X	Not shown

Cables used with the 8213 and 8215 HSU Cards

Cable	Length	Description	Possible Connections	Page
1206F	5'	DB15(M) to DB25 RS366	8213/8215 to 1206 to AutoCalling Equip.	22
1240	5"	DB26(M) to DB25(F) RS530	8213/8215 to 1240 to RS530 DTE	61
1255	1"	DB25 (F) to (F) Gender Changer	1264M or X	Not shown
1257	5"	M34 (F) to (F) Gender Changer	1263X	64
1258	1"	DB37 (F) to (F) Gender Changer	1265X	Not shown
1263F	5'	DB26(M) to M34(F) V.35	8213/8215 to 1263F to V.35 DTE	71
1263M	5'	DB26(M) to M34(M) V.35	8213/8215 to 1263M to V.35 DTE	71
1263X	5'	DB26(M) to M34(M) V.35 Crossover	8213/8215 to 1263X to V.35 DCE	73
1264F	5'	DB26(M) to DB25(F) RS530	8213/8215 to 1264F to RS530 DTE 8213/8215 to 1264F to 1252 to RS232 DTE	74
1264M	5'	DB26(M) to DB25(M) RS530	8213/8215 to 1264M to RS530 DTE 8213/8215 to 1264M to 1255 to 1252 to RS232 DTE	74
1264X	5'	DB26(M) to DB25(M) RS530 Cross-over	8213/8215 to 1264X to RS530 DCE	76
1265F	5'	DB26(M) to DB37(F) RS449	8213/8215 to 1265F to RS449 DTE	77
1265M	5'	DB26(M) to DB37(M) RS449	8213/8215 to 1265M to RS449 DTE	77
1265X	5'	DB26M to DB37(M) RS449 Cross-over	8213/8215 to 1265X to RS449 DCE	79
1268	25'	DB26(M) to DB26(F) extension for V.35	8213/8215 to 1268 to 1263M or X	83
1269	25'	DB26(M) to DB26(F) extension cable for RS530	8213/8215 to 1269 to 1264M or X 8213/8215 to 1269 to 1265M or X	84

Cables used with all Alarm Cards

Cable	Length	Description	Possible Connections	Page
1210	5'	1 Amphenol(M) to 1 Amphenol(M)	8401 to 1210 to M66 block or other terminal wiring	38

Cables used with all E&M Cards

Cable	Length	Description	Possible Connections	Page
1207	6'	3 Amphenol(M) to 4 Amphenol(M)	3 E&M cards to 1207 to two M66 blocks or other terminal wiring	23
1209	6'	3 Amphenol(M) to two Amphenol(M)	3 E&M (in TO mode only) cards to 1209 to M66 block or other terminal wiring	35
1210	5'	1 Amphenol(M) to 1 Amphenol(M)	E&M card to 1210 to M66 block or other terminal wiring	38

Cables used with FXO and FXS Cards

Cable	Length	Description	Possible Connections	Page
1208	6'	3 Amphenol(M) to 1 Amphenol(M)	3 FXS or FXO cards to 1208 to M66 block or other terminal wiring	32
1210	5'	1 Amphenol(M) to 1 Amphenol(M)	FXS/FXO card to 1210 to M66 block or other terminal wiring	38

Cables used with the SRU Card

Cable	Length	Description	Possible Connections	Page
1114CX	5'	RJ48(M) to DB25(M)	8220 to 1114CX to External Clocking Source	6
1114F	5'	RJ48(M) to DB25(F)	8220 to 1114F to RS232 DTE.	7
1114M	5'	RJ48(M) to DB25(M)	8220 to 1114M to RS232 DTE.	7
1114X	5'	RJ48(M) to DB25(M) Crossover	8220 to 1114X to RS232 DCE.	8
1221	25'	DB25(M) to DB25(F) RS232 Extension	8220 to 1114F, M or X to 1221 to RS232 DTE/DCE	52
1255	1"	DB25 (F) to (F) Gender Changer	1114X, 1221	Not shown

Cables used with the OCU-DP Card

Cable	Length	Description	Possible Connections	Page
1118M	25'	RJ48(M) to RJ48(M) Silver Satin	8248 to 1118 to DDS DSU/CSU	9

Cables used with the 8920, 8921, 8922, 8923, 8924 Interface Cards

Cable	Length	Description	Possible Connections	Page
1106	4"	RJ48(F) to 2-BNC adapter (for E1)	8920 to 1210 to (1121 or 1181) to 1230 to 1106 to E1 BNC network interface	4
1121	9"	Amphenol(F) to 2-RJ48(F) Adapter	8920 to 1210 to 1121 to (1230, 1231, 1232 or 1233) to RJ48 T1 "smart jack" or 1106	10
1181	9"	Amphenol(F) to 8-RJ48(F) Adapter	8920 to 1210 to 1181 to (1230, 1231, 1232 or 1233) to RJ48 T1 "smart jack" or 1106	11
1201F	15'	DB9(M) to DB25(F)	8920 to 1201F to Network Management System	14
1201M	15'	DB9(M) to DB25(M)	8920 to 1201M to Network Management System	14
1210	5'	Amphenol(M) to Amphenol(M)	8920 to 1210 to (1121 or 1181)	38
1213	5'	2 RJ48(M) to Amphenol	8920 to 1213 to 2 RJ48 T1 "smart jacks"	45
1215M	5'	RJ48(M) to DB15(M)	8920 to 1210 to (1121 or 1181) to 1215M to CSU	47
1215X	5'	RJ48(M) to DB15(M) Crossover	8920 to 1210 to (1121 or 1181) to 1215X to PBX	46
1216F	15'	RJ48(M) to DB25(F)	8920 or 8925 "Term" port to 1216(F) to female VT-100 terminal	48
1216M	15'	RJ48(M) to DB25(M)	8920 Term port to 1216(M) to male VT-100 terminal	48
1217	25'	RJ11(M) to RJ11(M) Dial Modem	8920 "Modem" port to telephone jack	Not shown
1220X	25'	1 Amphenol(F) to 1 Amphenol(M)	8920 to 1210 to 1220 extension	50
1230	1'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8920 to 1121, 1181 and 1239 to 1230 to T1 "smart jack" or 1106	59
1231	25'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8920 to 1121, 1181 and 1239 to 1231 to T1 "smart jack" or 1106	59
1232	50'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8920 to 1121, 1181 and 1239 to 1232 to T1 "smart jack" or 1106	59
1233	100'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8920 to 1121, 1181 and 1239 to 1233 to T1 "smart jack" or 1106	59
1239	14"	"Y" Adapter for WAN redundancy	8920 to 1210 to 1181 to two 1230 cables (included with 1239) to 1239 to (1230, 1231, 1232 or 1233) to T1 "smart jack" or 1106	60

Cables used with the 8925 and 8926 Interface Cards

Cable	Length	Description	Possible Connections	Page
1217	25'	RJ11(M) to RJ11(M) Dial Modem	8926 "Modem" port to telephone jack	Not shown
1230	1'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8925 or 8926 to 1230 to T1 "smart jack"	59
1231	25'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8925 or 8926 to 1230 to T1 "smart jack"	59
1232	50'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8925 or 8926 to 1230 to T1 "smart jack"	59
1233	100'	RJ48(M) to RJ48(M) T1 grade cable (shielded)	8925 or 8926 to 1230 to T1 "smart jack"	59

Cables used with the FRAD and B7R Cards

Cable	Length	Description	Possible Connections	Page
1114F	5'	RJ48(M) to DB25(F)	8230 or 8228 to 1114F to RS232 DTE.	7
1114M	5'	RJ48(M) to DB25(M)	8230 or 8228 to 1114M to RS232 DTE.	7
1114X	5'	RJ48(M) to DB25(M) Crossover	8230 or 8228 to 1114X to RS232 DCE.	8
1221	25'	DB25(M) to DB25(F) RS232 Extension	8230 or 8228 to 1114F, M or X to 1221 to RS232 DTE/DCE	52
1255	1"	DB25 (F) to (F) Gender Changer	1114X, 1221	Not shown

Cables used with the BRI Card

Cable	Length	Description	Possible Connections	Page
1210	5'	1 Amphenol(M) to 1 Amphenol(M)	8260 to 1210 to M66 block or other terminal wiring	38
1220X	25'	1 Amphenol(F) to 1 Amphenol(M)	8260 to 1210 to 1220 extension	50

HSU-to-CABLE Matrix

The following table lists various HSU Card connections to different cable configurations.

HSU Card	TO A DTE THAT ACCEPTS CLOCK					TO DCE THAT ACCEPTS CLOCK			DCE PROVIDES CLOCK		
	RS232	RS366	RS449	RS530	V.35	RS449	RS530	V.35	RS530	V.35	RS449
8202 No Switches	1252/1221*		1212F/M	1204F/M	1203F/1251	1212X	1204X	1203X/1251			
8202 Switches	1252/1221*		1212F/M	1204F/M	1261F/M	1212X	1204X	1261			
8203 DCE	1252/1221*		1212F/M	1204F/M		1212X	1204X				
8203 DTE									1204X		1211
8212					1203F/M			1203F/M			
8213/8215/8216	1264F/1253**	1205F	1265F/M	1264F/M	1263F/M	1265X	1264X	1263F/M			
8214 DCE					1260M		1260F	1203F/M		1260F	
8214 DTE										1260M	
2-Port Ext Cables	1221			1222	1224		1222	1224			
4-Port Ext Cables				1269	1268		1269	1268			

* 8202/8203 switches set to RS530 and 1252 connected to HSU Card

** The 1253 connects to the end of the 1264F cable. The 1253 is the new version of the 1252, and can replace a 1252 cable.

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CABLE 1203X	17
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CABLE 1215M (Obsolete)	47
CABLE 1216M and 1216F	48
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CABLES 1102M and 1102F (Obsolete; use 1216M or 1216F)

DESCRIPTION

1102M	1102F
VT100 Male	VT100 Female
RJ-48M to DB-25 (M)	RJ-48M to DB-25 (F)
6 feet	6 feet

FUNCTION

Connects VT100 terminal to the interface term port.

COMPATIBLE CARD(S)

All Interface Cards

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DTE	RJ-48 PINS DCE	CRKT REF	ITU REF
TD	103	→	2	6	TD	
RD	104	←	3	5	RD	
GND	102	←	7	4	GND	
RTS X CTS X RLSD			4X5X8			
DSR X DTR			6X20			

CABLE 1104F (Obsolete)

DESCRIPTION

RJ-48 to DB-25F Adapter Cable

RJ-48M to DB-25 (F)

6 feet

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DTE	RJ-48 PINS DCE	CRKT REF	ITU REF
TD	104	→	3	6	TD	
RD	103	←	2	5	RD	
RLSD	105	←	4	2	RLSD	
GND	102		7	4	GND	
RTS	109	→	8	8	RTS	
TCLK		←	18	3	TCLK	
CTS		←	20	7	CTS	
RCLK		←	24	1	RCLK	
SHLD GND			1XSHLD	SHLD	SHLD	

CABLE 1104M

DESCRIPTION

RJ48 to DB25M Adapter Cable

RJ-48M to DB-25 (M)

6 feet

FUNCTION

Connects RS232 DTE to the SRU, FRAD, BnR Cards.

COMPATIBLE CARD(S)

8220XX, 8228, 8231XX

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DTE	RJ-48 PINS DCE	CRKT REF	ITU REF
TD	104	→	2	6	TD	
RD	103	←	3	5	RD	
RLSD	105	←	8	2	RLSD	
GND	102		7	4	GND	
RTS	109	→	4	8	RTS	
TCLK		←	15	3	TCLK	
CTS		←	5	7	CTS	
RCLK		←	17	1	RCLK	
DSRXDTR			6X20	SHLD	SHLD	

CABLE 1106

DESCRIPTION

RJ-48 to 2 BNC F Adapter Cable

FUNCTION

Convert 1 T-1 RJ-48 to a balanced BNC type connector.

COMPATIBLE CARD(S)

All interface cards. May need 1183 or 1184 for high density connectivity.

RJ-48 PIN	TIP/RING	DIRECTION	RECEIVE/ TRANSMIT	BNC CHANNEL
1	R1	←	RX	OUTSIDE
2	T1	←	RX	INSIDE
4	R	→	TX	OUTSIDE
5	T	→	TX	INSIDE

CABLE 1114C

DESCRIPTION

RJ-48M to DB-25 (M) Adapter Cable

5 feet

FUNCTION

Connects an RS232 DTE device to the SRU, FRAD, BnR Cards

COMPATIBLE CARD(S)

8220XX, 8228, 8231, 823120

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DTE	RJ-48 PINS DCE	CRKT REF	ITU REF
TD	103	→	2	6	TD	103
XTCLK	114	→	24	3	TCLK	114
RD	104	←	3	5	RD	104
RTS	105	→	4	8	RTS	105
RCLK	115	←	17	1	RCLK	115
CTS	106	←	5	7	CTS	106
DSR/DTR	107A/108A		6X20			
GND	102		7	4	GND	102
RDSL	109	←	8	2	RDSL	109
			SHLD	SHLD	SHLD	

CABLE 1114CX

DESCRIPTION

Adapter Cable (Cross-over)

RJ-48M to DB-25 (M)

5 feet

FUNCTION

Connects an external clocking source to the SRU Card:

- From FRAD Port to DCE with RS232 / V.24 Female Interface & Int. Clock
- From SRU Port to DCE with RS232 / V.24 Female Interface & Int. Clock
- From BnR Port to DCE with RS232 / V.24 Female Interface & Int. Clock

COMPATIBLE CARD(S)

8220, 822020, 8230, 8231, 823120

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	RJ-48 PINS DCE	CRKT REF	ITU REF
SHLD	101		1X26	99	SHLD	101
TD	103	←	2	5	RD	104
RD	104	←	3	6	TD	103
RTS	105	←	4	2	RLSD	109
GND	102		7	4	GND	102
RLSD	109	→	8	8	RTS	105
RCLK	115	→	17	3	TCLK	113
DTR	108.2	←	20	7	CTS	106
TCLK	113	←	24	1	RCLK	115

CABLES 1114M and 1114F

DESCRIPTION

1114M	1114F
Adapter Cable	Adapter Cable
RJ-48M to DB-25 (M)	RJ-48M to DB-25 (F)
5 feet	5 feet

FUNCTION

Connects RS232 DTE to the SRU, FRAD, BnR Cards:

- From SRU Port (RJ-45) to DTE with RS232 / V.24 Male Interface
- From FRAD Port (RJ-45) to DTE with RS232 / V.24 Male Interface
- From BnR Port (RJ-45) to DTE with RS232 / V.24 Male Interface

COMPATIBLE CARD(S)

8220XX, 8228, 8231, 823120

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DTE	RJ-48 PINS DCE	CRKT REF	ITU REF
TD	103	→	2	6	TD	103
TCLK	114	←	15	3	TCLK	114
RD	104	←	3	5	RD	104
RTS	105	→	4	8	RTS	105
RCLK	115	←	17	1	RCLK	115
CTS	106	←	5	7	CTS	106
DSR/DTR	107A/108A		6X20			
GND	102		7	4	GND	102
RDSL	109	←	8	2	RDSL	109
			SHLD		SHLD	

CABLE 1114X

DESCRIPTION

1114X

Cross-over for SRU

RJ-48M to DB-25 (M)

5 feet

FUNCTION

Connects RS232 DCE to the SRU, FRAD, BnR Cards.

COMPATIBLE CARD(S)

8220XX, 8228, 8231, 823120

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	RJ-48 PINS DCE	CRKT REF	ITU REF
TD	103	←	2	5	RD	104
DTR	108.2	←	20	7	CTS	106
RD	104	→	3	6	TD	103
RTS	105	←	4	2	RLSD	109
TCLK	113	←	24	1	RCLK	115
GND	102		7	4	GND	102
RLSD	109	→	8	8	RTS	105
GND	102		1&26	SHLD	SHLD	102

CABLE 1118M

DESCRIPTION

1118M

RJ-48 to RJ-48 Silver Satin

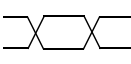
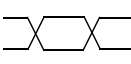
25 feet

FUNCTION

Connect the OCU-DP Card to a DDS DSU/CSU.

COMPATIBLE CARD(S)

8246, 8247, 8248, 8249

	TWISTED PAIR	RJ-48 PINS	RJ-48 PINS	
R1		1	1	R1
T1		2	2	T1
R		7	7	R
T		8	8	T

1121 Adapter

DESCRIPTION

50-Pin Amphenol (F) to 2-RJ48 (F) Adapter (with test jacks)

9 inches

This adapter is illustrated in the Product Description section of this Guide.

FUNCTION

Connect incoming T1/E1 links to the Interface card.

Possible connections include:

- E1 BNC network interface to 1106 to 1230 (or 1231, 1232, 1233) to 1121 to 1210 to 8920
- T1 network interface to “smart jack” to 1230 (or 1231, 1232, 1233) to 1121 to 1210 to 8920
- CSU to 1215M to 1121 to 1210 to 8920
- PBX to 1215X to 1121 to 1210 to 8920

Amphenol Pin	Signal Name	Direction	RJ48 Pin #	Monitor Pin #
19	R11B	←	W1-2 #1	W1-2 RX #2
20	R1B	→	W1-2 #4	W1-2 TX #2
22	R11A	←	W1-1 #1	W1-1 RX #2
23	R1A	→	W1-1 #4	W1-1 TX #2
44	T11B	←	W1-2 #2	W1-2 RX #1
45	T1B	→	W1-2 #5	W1-2 TX #1
47	T11A	←	W1-1 #2	W1-1 RX #1
48	T1A	→	W1-1 #5	W1-1 TX #1

1181 Adapter

DESCRIPTION

50-Pin Amphenol (F) to 8-RJ48 (F) Adapter

9 inches

This adapter is illustrated in the Product Description section of this Guide.

FUNCTION

Connect incoming T1/E1 links to the Interface card.

Possible connections include:

- E1 BNC network interface to 1106 to 1230 (or 1231, 1232, 1233) to 1181 to 1210 to 8920
- T1 network interface to “smart jack” to 1230 (or 1231, 1232, 1233) to 1181 to 1210 to 8920
- CSU to 1215M to 1181 to 1210 to 8920
- PBX to 1215X to 1181 to 1210 to 8920
- T1 network interface to 1106 (or “smart jack”) to 1230 (or 1231, 1232, 1233) to 1239 to 1181 to 1210 to 8920

Amphenol Pin	Designation	Direction	RJ48 Pin #
1	R14B	←	W4-2 #1
2	R4B	→	W4-2 #4
4	R14A	←	W4-1 #1
5	R4A	→	W4-1 #4
7	R13B	→	W3-2 #2
8	R3B	→	W3-2 #5
10	R13A	←	W3-1 #2
11	R3A	→	W3-1 #5
13	R12B	←	W2-2 #1
14	R2B	→	W2-2 #4
16	R12A	←	W2-1 #1

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Amphenol Pin	Designation	Direction	RJ48 Pin #
17	R2A	→	W2-1 #4
19	R11B	←	W1-2 #1
20	R1B	→	W1-2 #4
22	R11A	←	W1-1 #1
23	R1A	→	W1-1 #4
26	T14B	←	W4-2 #2
27	T4B	→	W4-2 #5
29	T14A	←	W4-1 #2
30	T4A	→	W4-1 #5
32	T13B	←	W3-2 #2
33	T3B	→	W3-2 #5
35	T13A	←	W3-1 #2
36	T3A	→	W3-1 #5
38	T12B	←	W2-2 #2
39	T2B	→	W2-2 #5
41	T12A	←	W2-1 #2
42	T2A	→	W2-1 #5
44	T11B	←	W1-2 #2
45	T1B	→	W1-2 #5
47	T11A	←	W1-1 #2
48	T1A	→	W1-1 #5

1183XX E1 Distribution Panel

DESCRIPTION

E1 Distribution Panel

Available as:

118301 - Without logo

118320 - For use with 8916 chassis

1184XX - For use with 8918 chassis

This distribution panel is illustrated in the Product Description section of this Guide.

FUNCTION

Connect to the interface card using the 1210S cable to break out 8 E1 connections.

CABLE 1201M and 1201F

DESCRIPTION

1201M	1201F
Straight-Thru	Straight-Thru
DB-9 (M) to DB-25 (M)	DB-9 (M) to DB-25 (F)
15 feet	15 feet

FUNCTION

Connect the interface DB-9 to a network management system DB-25 DTE port.

COMPATIBLE CARD(S)

All interface cards. Prior to Rev. C0 where the DB9 connector is the Female type.

CRKT REF	ITU REF	DIRECTION	DB-9 PINS DCE	DB-25 PINS DTE	CRKT REF	ITU REF
RLSD	109	→	1	8	RLSD	109
RD	104	→	2	3	RD	104
TD	103	←	3	2	TD	103
DTR	108	←	4	20	DTR	108
GND	102		5	7	GND	102
DSR	107	→	6	6	DSR	107
RTS	105	←	7	4	RTS	105
CTS	106	→	8	5	CTS	106
RI	125	→	9	22	RI	125
			SHLD	SHLD	SHLD	

CABLE 1202F and 1202M

DESCRIPTION

1202F	1202M
DB9 (F) to DB-25 (M)	DB-9(M) to DB-25(M)
15 feet	15 feet

FUNCTION

All interface cards DB-9 DTE COMP. PORT to RS232 DB-25 DTE PORT

COMPATIBLE CARD(S)

8920XX, 8921XX, 8923XX, 8922, 8926, 8927

CRKT REF	ITU REF	DIRECTION	DB-9 PINS DCE	DB-25 PINS DTE	CRKT REF	ITU REF
DCD		→	1	20	DTR	108
RD	103	←	2	2	RD	103
TD	104	→	3	3	TD	104
DTR	108	←	4	6	DSR	107
DTR	108	←	4	8	RLSD	109
GND	102		5	7	GND	102
RTS	105	←	7	5	CTS	106
CTS	106	→	8	4	RTS	105
DSR	107	→	6	20	DTR	108
			SHLD	SHLD	SHLD	

CABLES 1203F and 1203M

DESCRIPTION

1203F	1203M(Discontinued)
Adapter Cable	Adapter Cable
DB-25 (M) to V.35 (M)	DB-25 (M) to V.35 (F)
5 feet	5 feet

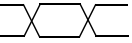
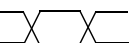
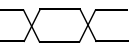
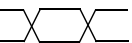
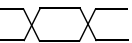
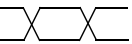
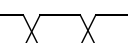
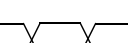
FUNCTION

Connect the 2-port HSU with a V.35 DTE Device*.

*For old style 8202 without V.35/RS530 switches used with a 1251 Adapter.

COMPATIBLE CARD(S)

8202XX, 8212XX, 8213XX

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
GND	101		1		A	FG	101
RTS	105A	←	4		C	RTS	105A
CTS	106A	→	5		D	CTS	106A
DSR	107A	→	6		E	DSR	107A
SG	102		7		B	SG	102
RLSD	109A	→	8		F	RLSD	109A
SDB	103B		9		S	SDB	103B
SDA	103A		10		P	SDA	103A
SCTE	113B		11		W	SCTE	113B
SCTE	113A	→	12		U	SCTE	113A
RDB	104B	→	13		T	RDA	104B
RDA	104A	←	14		R	RDB	104A
SCRB	115B	→	17		X	SCRB	115B
SCRA	115A	→	18		V	SCRA	115A
SCTB	114B	←	24		AA	SCTB	114B
SCTA	114A	←	25		Y	SCTA	114A

CABLE 1203X

DESCRIPTION

Cross-Over Adapter Cable

DB-25 (M) to V.35 (M)

5 feet

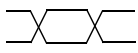
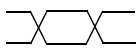
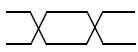
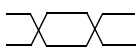
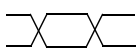
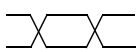
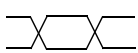
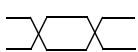
FUNCTION

Connects a 2-port HSU to a DCE Device that accepts clock.*

*For old style 8202 without V.35/RS530 switches, use a 1251 Adapter.

COMPATIBLE CARD(S)

8202XX, 8212XX, 8213XX

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DCE	CRKT REF	ITU REF
GND	101	1		A	FG	101
RTS	105A	4		F	RTS	105A
CTS	106A	5		H	CTS	106A
DSR	107A	6		N/C	DSR	107A
SG	102	7		B	SG	102
RLSD	109A	8		C	RLSD	109A
SDB	103B	9		T	SDB	103B
SDA	103A	10		R	SDA	103A
SCTE	113B	11		X	SCTE	113B
SCTE	113A	12		V	SCTE	113A
RDB	104B	13		S	RDB	104B
RDA	104A	14		P	RDA	104A
SCRB	115B	17		W	SCRB	115B
SCRA	115A	18		U	SCRA	115A
SCTB	114B	24		N/C		
SCTA	114A	25		N/C		

CABLE 1204M and 1204F

DESCRIPTION

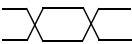
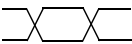
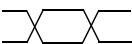
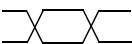
1204M	1204F
Straight-Thru	Straight-Thru
DB-25 (M) to DB-25 (M)	DB-25 (M) to DB-25 (F)
6 feet	6 feet

FUNCTION

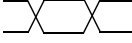
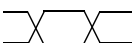
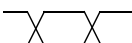
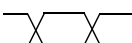
Connect a 2-port HSU to an RS530 DTE Device. Can also be used with a 1253 when connecting to an RS232 DTE Device.

COMPATIBLE CARD(S)

8202, 820220, SlimLine

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
TDA	103A	←	2		2	TDA	103A
TDB	103B	←	14		14	TDB	103B
RDA	104A	→	3		3	RDA	104A
RDB	104B	→	16		16	RDB	104B
RTS A	105A	←	4		4	RTS A	105A
RTS B	105B	←	19		19	RTS B	105B
CTS A	106A	→	5		5	CTS A	106A
CTS B	121	→	13		13	CTS B	121

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
RSLD A	109A	→	8		8	RSLD A	109A
RLSD B	109B	→	10		10	RLSD B	109B
STA	114A	→	15		15	STA	114A
STB	122	→	12		12	STB	122
RTA	115A	→	17		17	RTA	115A
RTB	115B	→	9		9	RTB	115B
TTA	113A	←	24		24	TTA	113A
TTB	113B	←	11		11	TTB	113B
SHLD	101		1		1	SHLD	101
DSRA	107A	→	6		6	DSRA	107A
SG	102		7		7	SG	102
LL	141	←	18		18	LL	141
DTRA	108A	←	20		20	DTRA	108A
RL	110	→	21		21	RL	110
DSRB	107B	→	22		22	DSRB	107B
DTRB	108.2B	←	23		23	DTRB	108.2B
TM	142	→	25		25	TM	142

CABLE 1204X

DESCRIPTION

Cross-Over Cable

DB-25M to DB-25 (M)

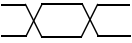
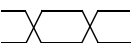
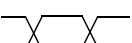
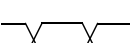
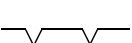
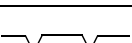
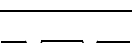
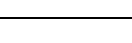
5 feet

FUNCTION

Connect the 2-port HSU to an RS530 DCE Device that accepts clock input or connect the 2-port HSU to an RS530 DCE that provides clock (8230XX) only.

COMPATIBLE CARD(S)

8203XX

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DCE	CRKT REF	ITU REF
SHLD	101	1		1	101	SHLD
SG	102	7		7	102	SG
DTR	108.2A	20		20	106	CTSA
SDA	103A	2		3	104A	RDA
SDB	103B	14		16	104B	RDB
RDA	104A	3		2	103A	SDA
RDB	104B	16		14	103B	SDB
RTSA	105A	4		8	109A	RLSDA
RTSB	105B	19		10	109B	RLSDB
CTSA	106	5		20	108.2A	DTR
CTSB	121	13		N/C		
RLSDA	109A	8		4	105A	RTSA
RLSDB	109B	10		19	105B	RTSB
SCT(ST)	114A	15		N/C		
SCT(ST)	114B	12		N/C		
SCR(RT)	115A	17		24	113A	SCT(TT)
SCT(RT)	115B	9		11	113B	SCT(TT)
SCT(TT)	113A	24		17	115A	SCR(RT)
SCT(TT)	113B	11		9	115B	SCR(RT)
		SHLD		SHLD		

CABLE 1205

DESCRIPTION

Straight-Thru

RJ-48 to RJ-48

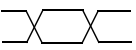

5 feet

FUNCTION

Connects PBX T1 equipment to interface card.

COMPATIBLE CARD(S)

All interface cards

RJ-48 PINS	TWISTED PAIR	RJ-48 PINS	
1		1	R1
2		2	T1
4		4	R
5		5	T
SHLD		SHLD	

CABLE 1206F

DESCRIPTION

Straight-Thru

DB-15 (F) to DB-25 (M)

5 feet

FUNCTION

Connect a 2-port HSU to an RS366 automatic calling equipment.

COMPATIBLE CARD(S)

8213

CRKT REF	ITU REF	DB-15 PINS DTE		DB-25 PINS DCE	CRKT REF	ITU REF
SHLD		1		1	SHLD	
DPR		2		2	DPR	
ACR		3		3	ACR	
CRQ		4		4	CRQ	
PND		5		5	PND	
PWI		6		6	PWI	
SG		7		7	SG	
DSC		8		13	DSC	
NB1		9		14	NB1	
NB2		10		15	NB2	
NB4		11		16	NB4	
NB8		12		17	NB8	
RC		13		18	RC	
SC		14		19	SC	
DLO		15		22	DLO	
		SHLD		SHLD		



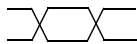



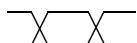
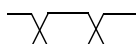
CABLE 1207

DESCRIPTION

This cable is used to split three E&M card pins (T, R, T1, R1, E, M, SB, SG) out to three or four blocks depending on signaling method to be used.

FUNCTION

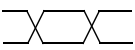
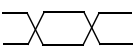
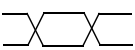
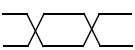
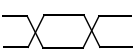
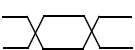
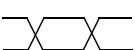
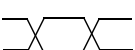
66 block #1 is for all T/R connections, 66 block #2 is for all T1/R1 connections, 66 block #3 is for all E&M connections, and 66 block #4 is for all SB/SG connections.

E&M CARD1 CABLE P-1 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS
1		TIP	1
26		RING	26
4		TIP	2
29		RING	27
7		TIP	3
32		RING	28
10		TIP	4
35		RING	29
13		TIP	5
38		RING	30
16		TIP	6
41		RING	31
19		TIP	7
44		RING	32
22		TIP	8
47		RING	33

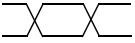
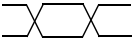
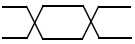
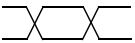
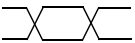
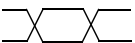
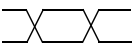
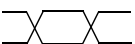
Cable and Equipment Guide

E&M CARD1 CABLE P-1 PINS	TWISTED PAIR	CKT REF	66 BLK2 CABLE P-5 PINS
2		TIP1	1
27		RING1	26
5		TIP1	2
30		RING1	27
8		TIP1	3
33		RING1	28
11		TIP1	4
36		RING1	29
14		TIP1	5
39		RING1	30
17		TIP1	6
42		RING1	31
20		TIP1	7
45		RING1	32
23		TIP1	8
48		RING1	33

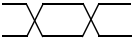
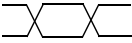
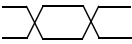
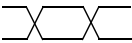
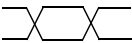
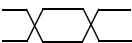

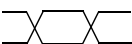
Cable and Equipment Guide

E&M CARD1 CABLE P-1 PINS	TWISTED PAIR	CKT REF	66 BLK3 CABLE P-6 PINS	66 BLK4 CABLE P-7 PINS
3		E	1	X
28		M	26	X
6		E	2	X
31		M	27	X
9		E	3	X
34		M	28	X
12		E	4	X
37		M	29	X
15		E	5	X
40		M	30	X
18		E	6	X
43		M	31	X
21		E	7	X
46		M	32	X
24		E	8	X
49		M	33	X
25		SG		1-8
50		SB		26-33

Cable and Equipment Guide

E&M CARD2 CABLE P-2 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS
1		TIP	9
26		RING	34
4		TIP	10
29		RING	35
7		TIP	11
32		RING	36
10		TIP	12
35		RING	37
13		TIP	13
38		RING	38
16		TIP	14
41		RING	39
19		TIP	15
44		RING	40
22		TIP	16
47		RING	41

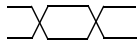
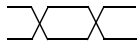
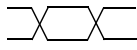
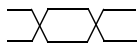
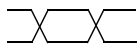
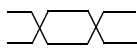
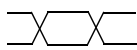
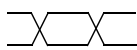
Cable and Equipment Guide

E&M CARD2 CABLE P-2 PINS	TWISTED PAIR	CKT REF	66 BLK2 CABLE P-5 PINS
2		TIP1	9
27		RING1	34
5		TIP1	10
30		RING1	35
8		TIP1	11
33		RING1	36
11		TIP1	12
36		RING1	37
14		TIP1	13
39		RING1	38
17		TIP1	14
42		RING1	39
20		TIP1	15
45		RING1	40
23		TIP1	16
48		RING1	41

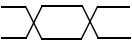
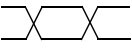
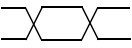
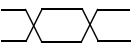
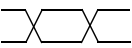
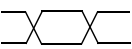
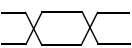
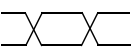
Cable and Equipment Guide

E&M CARD2 CABLE P-2 PINS	TWISTED PAIR	CKT REF	66 BLK3 CABLE P-6 PINS	66 BLK4 CABLE P-7 PINS
3		E	9	X
28		M	34	X
6		E	10	X
31		M	35	X
9		E	11	X
34		M	36	X
12		E	12	X
37		M	37	X
15		E	13	X
40		M	38	X
18		E	14	X
43		M	39	X
21		E	15	X
46		M	40	X
24		E	16	X
49		M	41	X
25		SG		9-16
50		SB		34-41

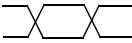
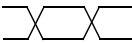
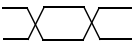
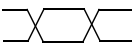

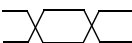
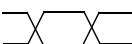
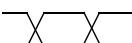
Cable and Equipment Guide

E&M CARD3 CABLE P-3 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS
1		TIP	17
26		RING	42
4		TIP	18
29		RING	43
7		TIP	19
32		RING	44
10		TIP	20
35		RING	45
13		TIP	21
38		RING	46
16		TIP	22
41		RING	47
19		TIP	23
44		RING	48
22		TIP	24
47		RING	49

Cable and Equipment Guide

E&M CARD3 CABLE P-3 PINS	TWISTED PAIR	CKT REF	66 BLK2 CABLE P-5 PINS
2		TIP1	17
27		RING1	42
5		TIP1	18
30		RING1	43
8		TIP1	19
33		RING1	44
11		TIP1	20
36		RING1	45
14		TIP1	21
39		RING1	46
17		TIP1	22
42		RING1	47
20		TIP1	23
45		RING1	48
23		TIP1	24
48		RING1	49

Cable and Equipment Guide

E&M CARD3 CABLE P-3 PINS	TWISTED PAIR	CKT REF	66 BLK3 CABLE P-6 PINS	66 BLK4 CABLE P-7 PINS
3		E	17	X
28		M	42	X
6		E	18	X
31		M	43	X
9		E	19	X
34		M	44	X
12		E	20	X
37		M	45	X
15		E	21	X
40		M	46	X
18		E	22	X
43		M	47	X
21		E	23	X
46		M	48	X
24		E	24	X
49		M	49	X
25		SG		17-24
50		SB	42	42-49

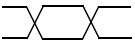
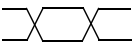
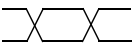
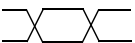
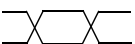
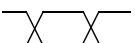
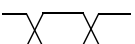
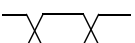
CABLE 1208

DESCRIPTION

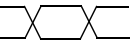
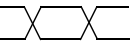
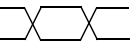
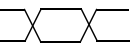
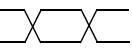
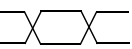
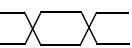
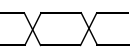
Twisted pair cable

FUNCTION

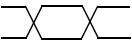
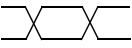
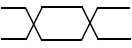
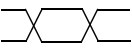
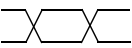
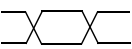
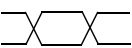
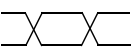
This cable is used to connect three FXS or FXO card pins (T and R) to a single “66” block.

E&M CARD1 CABLE P-1 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS
1		TIP	1
26		RING	26
4		TIP	2
29		RING	27
7		TIP	3
32		RING	28
10		TIP	4
35		RING	29
13		TIP	5
38		RING	30
16		TIP	6
41		RING	31
19		TIP	7
44		RING	32
22		TIP	8
47		RING	33

Cable and Equipment Guide

E&M CARD2 CABLE P-2 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS
1		TIP	9
26		RING	34
4		TIP	10
29		RING	35
7		TIP	11
32		RING	36
10		TIP	12
35		RING	37
13		TIP	13
38		RING	38
16		TIP	14
41		RING	39
19		TIP	15
44		RING	40
22		TIP	16
47		RING	41

Cable and Equipment Guide

E&M CARD3 CABLE P-3 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS
2		TIP	17
27		RING	42
5		TIP	18
30		RING	43
8		TIP	19
33		RING	44
11		TIP	20
36		RING	45
14		TIP	21
39		RING	46
17		TIP	22
42		RING	47
20		TIP	23
45		RING	48
23		TIP	24
48		RING	49

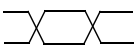
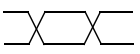
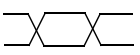
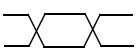
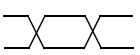
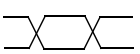
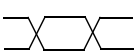
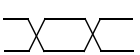
CABLE 1209

DESCRIPTION

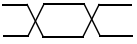
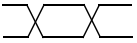
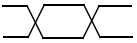
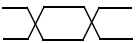
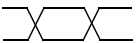
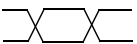
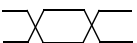
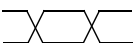
Twisted pair cable

FUNCTION

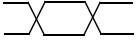
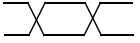
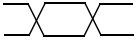
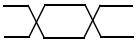
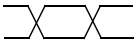
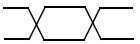
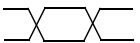
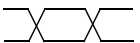
This cable is used to split three E&M card pins (T, R, T1, R1) only for T.O. mode out to two 66 Blocks (in the T.O. Mode, no signaling will be used).

E&M CARD1 CABLE P-1 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS	66 BLK2 CABLE P-1 PINS
1		TIP	1	2
26		RING	26	27
4		TIP	2	5
29		RING	27	30
7		TIP	3	8
32		RING	28	33
10		TIP	4	11
35		RING	29	36
13		TIP	5	14
38		RING	30	39
16		TIP	6	17
41		RING	31	42
19		TIP	7	20
44		RING	32	45
22		TIP	8	23
47		RING	33	48

Cable and Equipment Guide

E&M CARD2 CABLE P-2 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS	66 BLK2 CABLE P-2 PINS
1		TIP	9	2
26		RING	34	27
4		TIP	10	5
29		RING	35	30
7		TIP	11	8
32		RING	36	33
10		TIP	12	11
35		RING	37	36
13		TIP	13	14
38		RING	38	39
16		TIP	14	17
41		RING	39	42
19		TIP	15	20
44		RING	40	45
22		TIP	16	23
47		RING	41	

Cable and Equipment Guide

E&M CARD3 CABLE P-3 PINS	TWISTED PAIR	CKT REF	66 BLK1 CABLE P-4 PINS	66 BLK2 CABLE P-3 PINS
1		TIP	17	2
26		RING	42	27
4		TIP	18	5
29		RING	43	30
7		TIP	19	8
32		RING	44	33
10		TIP	20	11
35		RING	45	36
13		TIP	21	14
38		RING	46	39
16		TIP	22	17
41		RING	47	42
19		TIP	23	20
44		RING	48	45
22		TIP	24	23
47		RING	49	

CABLE 1210

DESCRIPTION

Straight-Thru

50-pin telco connector to 50-pin telco connector

5 feet

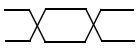
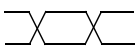
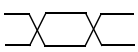
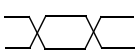
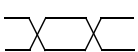
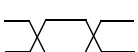
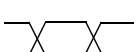
FUNCTION

Multi purpose straight-thru 50 pair cable:

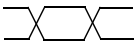
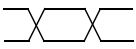
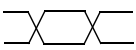
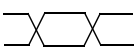
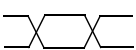
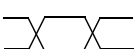
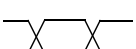
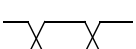
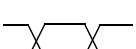
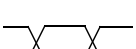
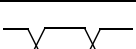
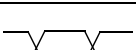
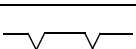
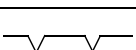
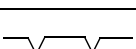

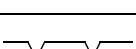
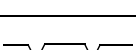
- P1 channel termination (Female AMP) to M66 punch down block.
- Network Interface to RJ-48 Sockets for T1 or 120 Ohm E1 connections.
- Network Interface to RJ-48 Sockets for T1 or 120 Ohm E1 connections.
- Network Interface to M66 punch down block for T1 or 120 Ohm E1.
- Network Interface to 8 X E1 75 Ohm BNC mounted over IMACS 600 PSU.
- Network Interface to 1 X E1 75 Ohm BNC or a mixture of T1 & E1 Links.
- Network Interface to 2 X T1/120 Ohm E1 For 1:1 link redundancy only.

COMPATIBLE CARD(S)

8260XX, 8261XX, 8262XX, 8920XX, 8921XX, 8922XX, 8923XX, 8108, 8115, 8119XX, 8124, 8125, 8128, 8129, 8134, 8135, 8138, 8139, 8149, 8159, SlimLine

CRKT REF	50-PIN CABLE	TWISTED PAIR	50-PIN CABLE	CRKT REF
T	1		1	T
R	26		26	R
T	2		2	T
R	27		27	R
T	3		3	T
R	28		28	R
T	4		4	T
R	29		29	R
T	5		5	T
R	30		30	R
T	6		6	T
R	31		31	R
T	7		7	T
R	32		32	R

Cable and Equipment Guide

CRKT REF	50-PIN CABLE	TWISTED PAIR	50-PIN CABLE	CRKT REF
T	8		8	T
R	33		33	R
T	9		9	T
R	34		34	R
T	10		10	T
R	35		35	R
T	11		11	T
R	36		36	R
T	12		12	T
R	37		37	R
T	13		13	T
R	38		38	R
T	14		14	T
R	39		39	R
T	15		15	T
R	40		40	R
T	16		16	T
R	41		41	R
T	17		17	T
R	42		42	R
T	18		18	T
R	43		43	R
T	19		19	T
R	44		44	R
T	20		20	T
R	45		45	R
T	21		21	T
R	46		46	R
T	22		22	T
R	47		47	R
T	23		23	T
R	48		48	R
T	24		24	T
R	49		49	R
T	25		25	T
R	50		50	R

CABLE 1211M (Obsolete)

DESCRIPTION

Obsolete - Use 1212 Cable

Straight-Thru

DB-37 (M) to DB-25 (M)

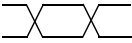
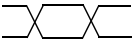
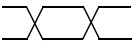
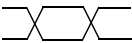
5 feet

FUNCTION

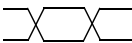
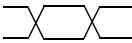
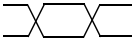
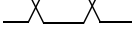
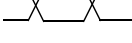
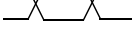
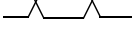
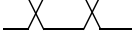
Connect a 2-port HSU Card to an RS449 DTE Device.

COMPATIBLE CARD(S)

8202

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	DB-37 PINS DTE	CRKT REF	ITU REF
SHLD	101		1		1	101	SHLD
TDA	103A	←	2		6	104A	RDA
TDB	118	←	14		24	104B	RDB
RDA	104A	→	3		4	103A	SDA
RDB	119	→	16		22	103B	SDB
RTS	105A	←	4		13	109A	RRA
SRTS	120	←	19		31	109B	RRB
CTSA	106A	→	5		9	106A	CTSA
CTSB	121	→	13		27	106B	CTSB

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	DB-37 PINS DTE	CRKT REF	ITU REF
RLSD	109A	→	8		7	105A	RTSA
VOLT -			10		25	105B	RTSB
RLSDB	122	→	12		35	113B	TTB
TSET	114A	→	15		17	113A	TTA
VOLT +			9		26	115B	RTB
RSET	115A	→	17		8	115A	RTA
			11		23	114B	STB
TSET	113A	←	24		5	114A	STA
DTR	108A	←	20		11	107A	DMA
DSR	107A	→	6		12	108A	TRA
DSRS	112	←	23		N/C		
SG	102		7		19*	102	SG
LL	141	←	18		18	142	TM
TM	142	→	25		10	141	LL
RL	140	←	21		15	125	IC
RI	125	←	22		14	140	RL
					30*/37*	108/102A	TR/SC
					19*/37*	102/102A	SG/SC

CABLE 1212F and 1212M

DESCRIPTION

1212F	1212M (Obsolete)
Cross-Over	Cross-Over
DB-37 (F) to DB-25 (F)	DB-37 (M) to DB-25 (M)
5 feet	5 feet

FUNCTION

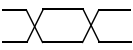
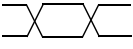
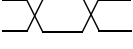
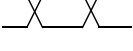
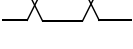
Connects a 2-port HSU Card to an RS449 DTE Device.

COMPATIBLE CARD(S)

8202XX 8203XX

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-37 PINS DTE	CRKT REF	ITU REF
SHLD	101	1		1	SHLD	101
SDA	103A	2		4	SDA	103A
SDB	103B	14		22	SDB	103B
RDA	104A	3		6	RDA	104A
RDB	104B	16		24	RDB	104B
RTSA	105A	4		7	RTSA	105A
RTSB	105B	19		25	RTSB	105B
CTSA	106A	5		9	CTSA	106A
CTSB	121B	13		27	CTSB	106B
RLSDA	109A	8		13	RLSDA	109A
RLSDB	109B	10		31	RLSDB	109B
RTA	115A	17		8	RTA	115A
RTB	115B	9		26	RTB	115B
TTA	113A	24		17	TTA	113A
TTB	113B	11		35	TTB	113B

Cable and Equipment Guide

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-37 PINS DTE	CRKT REF	ITU REF
STA	114A	15		5	STA	114A
STB	114B	12		23	STB	114B
LL	141	18		10	LL	141
DSR	107A	6		11	DSR	107A
SG	102	7		19	SG	102
DTR	108.2	20		12	DTR	108.2
RL	140	21		14	RL	140
IC	125	22		15	IC	125
RC	102B	23		20*	RC	102B
TM	142	25		18	TM	142
DMB	107B			20x29	DMB	107B
				37		

CABLE 1212X

DESCRIPTION

Cross-Over

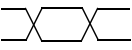
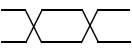
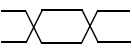
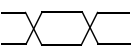
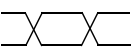
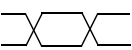
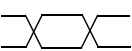
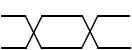
DB-37 (M) to DB-25 (M)

5 feet

FUNCTION

Connects a 2-port HSU Card to an RS449 DCE Device that accepts clock.

COMPATIBLE CARD(S): 8202, 8203

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-37 PINS DCE	CRKT REF	ITU REF
SHLD	101	1		1	SHLD	101
TDA	103A	2		6	RDA	104A
TDB	103B	14		24	RDB	104B
RDA	104A	3		4	TDA	103A
RDB	104B	16		22	TDB	103B
RTSA	105A	4		13	RLSDA	109A
RTSB	105B	19		31	RLSDB	109B
CTSA	106A	5		12	DTRA	108.2A
CTSB	121B	13		30	DTRB	108.2B
RLSDA	109A	8		7	RTSA	105A
RLSDB	109B	10		25	RTSB	105B
RTA	115A	17		17	TTA	113A
RTB	115B	9		35	TTB	113B
TTA	113A	24		8	RTA	115A
TTB	113B	11		26	RTB	115B
SG	102	7		19	SG	102
DTR	108.2A	20		9	DTR	106A

CABLE 1213

DESCRIPTION

Straight-Thru

50-pin telco connector to 50-pin telco connector

5 feet

FUNCTION

Connect two T1 lines to one interface card with standard amphenol connector.

COMPATIBLE CARD(S)

8920XX, 8921XX, 8922XX, 8923XX, 8924XX

CRKT REF	50-PIN CABLE		RJ-48 PINS	CRKT REF
R11B	19		2	R11B
T11B	44		1	T11B
R1B	20		5	R1B
R11A	22		2	R11A
T11A	47		1	T11A
R1A	23		5	R1A
T1A	48		4	T1A

CABLE 1215F and 1215X

DESCRIPTION

1215F	1215X
Cross-Over	Cross-Over
RJ-48 to DB-15M	RJ-48 to DB-15F
5 feet	5 feet

FUNCTION

Connects PBX T1 equipment to interface card T1 Port.

COMPATIBLE CARD(S)

All interface cards

DB-15 PINS		RJ-48 PINS	ITU REF
1	1	2	RED
9	1	1	BLK
3	2	5	WHT
11	2	4	BLK
SHELL	SHLD	SHELL	

CABLE 1215M (Obsolete)

DESCRIPTION

Cross-Over

RJ-48 to DB-15M

5 feet

FUNCTION

Connects CSU equipment to interface card.

CRKT REF	ITU REF	DB-15 PINS		RJ-48 PINS	CRKT REF	ITU REF
		1	1	5		RED
		9	1	4		BLK
		3	2	2		WHT
		11	2	1		BLK
		SHELL	SHLD	SHELL		

CABLE 1216M and 1216F

DESCRIPTION

1216M	1216F
RJ-48M to DB-25 (M)	RJ-48M to DB-25 (F)
15 feet	15 feet

FUNCTION

To connect VT100 to interface card

- Terminal port to DTE with RS232 (DB-25) male interface.
- Terminal port to DTE with RS232 (DB-25) female interface.

COMPATIBLE CARD(S)

All interface cards

CRKT REF	ITU REF	DB-25 PINS		RJ-48 PINS	CRKT REF	ITU REF
TD	103	2		6	TD	
RD	104	3		5	RD	
GND	102	7		4	GND	
RTSXCTSXRSLSD		4X5X8				
DSRXDTR		6X20				

CABLE 1219F

DESCRIPTION

Cross-Over

RJ-48 to DB-9 (M)

15 feet

FUNCTION

To connect terminal equipment to an interface card where a Transmit/Receive cross over is necessary.

COMPATIBLE CARD(S)

All interface cards

CRKT REF	DIRECTION	DB-9F PINS	RJ-48 PINS	CRKT REF
GND		5	4	GND
RD	←	2	5	TD
TD	→	3	6	RD
		4X6		
		1X7X8		

CABLE 1220X

DESCRIPTION

Cross-Over

50-pin telco connector to 50-pin telco connector

25 feet

FUNCTION

Multi-purpose cross-over 50-pair cable:

- Network interface to 2 X T1 RJ48 smart jacks or sockets.
- Network interface to RJ48 sockets for T1 or 120-ohm E1 connections.
- Network interface to M66 punch down block for T1 or 120-ohm E1 connections.
- Network interface to 1 X E1 75-ohm BNC or a mixture of T1 & E1 links.
- Network interface to 2 X T1/120-ohm E1 for 1:1 link redundancy only.
- Network interface to 2 X T1 RJ48 smart jacks or sockets.
- P1 channel termination (female amp) to M66 punch down block.
- P1 from three cards (transmission only) to two M66 punch down blocks.
- P1 channel termination (female amp) to M66 punch down block.

COMPATIBLE CARD(S)

892221, 8923, 892320, 8108, 8115

50-PIN CABLE P1		50-PIN CABLE P2
26		27
1		2
27		26
2		1
28		N/C
3		N/C
29		29

50-PIN CABLE P1		50-PIN CABLE P2
13		10
39		34
14		9
40		N/C
15		N/C
41		37
16		12

Cable and Equipment Guide

50-PIN CABLE P1		50-PIN CABLE P2
4		4
30		28
5		3
31		N/C
6		N/C
32		31
7		6
33		30
8		5
34		N/C
9		N/C
35		33
10		8
36		32
11		7
37		N/C
12		N/C
38		35

50-PIN CABLE P1		50-PIN CABLE P2
42		36
17		11
43		N/C
18		N/C
44		39
19		14
45		38
20		13
46		N/C
21		N/C
47		41
22		16
48		40
23		15
49		N/C
24		N/C
50		50
25		25

CABLE 1221

DESCRIPTION

Straight-Thru

DB-25 (M) to DB-25 (F)

25 feet

FUNCTION

Connect a 2-port HSU Card to a DCE Device. Also sued with a 1253 Adaptor to connect a 2-port HSU Card to an RS232 DTE Device.

COMPATIBLE CARD(S)

8202XX, 8203XX

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE		DB-25 PINS DTE	CRKT REF	ITU REF
SHLD			26		26	SHLD	
TD	103	←	2		2	TD	103
RD	104	→	3		3	RD	104
RTS	105	←	4		4	RTS	105
CTS	106	→	5		5	CTS	106
RLSD	109	→	8		8	RLSD	109
RT	115	→	17		17	RT	115
ST	114	→	15		15	ST	114
SG	102		7		7	SG	102

CABLE 1222

DESCRIPTION

Straight-Thru

DB-25 (M) to DB-25 (F)

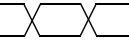
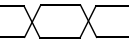
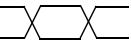
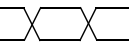
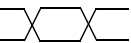
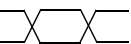
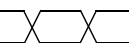
25 feet

FUNCTION

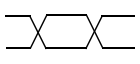
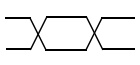
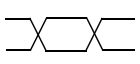
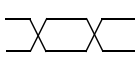
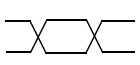
An HSU Card RS530 extension cable.

COMPATIBLE CARD(S)

8202XX

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
SHLD	101	1		1	SHLD	101
TDA	103A	2		2	TDA	103A
TDB	103B	14		14	TDB	103B
RDA	104A	3		3	RDA	104A
RDB	104B	16		16	RDB	104B
RTSA	105A	4		4	RTSA	105A
RTSB	105B	19		19	RTSB	105B
CTSA	106	5		5	CTSA	106A
CTSB	121B	13		13	CTSB	121B
RLSDA	109A	8		8	RLSDA	109A
RLSDB	109B	10		10	RLSDB	109B
RSTB	115B	9		9	RSTB	115B
RSTA	115A	17		17	RSTA	115A
STB	114B	12		12	STB	114B
STA	114A	15		15	STA	114A

Cable and Equipment Guide

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
TTB	113B	11		11	TTB	113B
TTA	113A	24		24	TTA	113A
DSR	107A	6		6	DSR	107A
LL	104A	18		18	LL	104A
SG	102A	7		7	SG	102A
DTR	108.2A	20		20	DTR	108.2A
RL	140A	21		21	RL	140A
RI	107B	22		22	RI	107B
SG	108.2B	23		23	SG	108.2B
TM	142	25		25	TM	142

CABLE 1224

DESCRIPTION

Straight-Thru

DB-25 (M) to DB-25 (F)

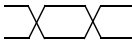
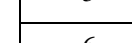

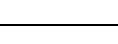



25 feet

FUNCTION

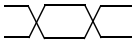
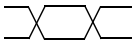
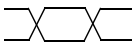
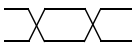

A 25-foot V.35 extension cable.

COMPATIBLE CARD(S)

8212

CRKT REF	DB-25 PINS	TWISTED PAIR	DB-25 PINS	CRKT REF
SHLD	1		1	SHLD
	4		4	
	20		20	
	5		5	
	6		6	
	7		7	
	8		8	
	9		9	
	10		10	
	11		11	
	12		12	
	13		13	
	14		14	
	17		17	
	18		18	

Cable and Equipment Guide

CRKT REF	DB-25 PINS	TWISTED PAIR	DB-25 PINS	CRKT REF
	24		24	
	25		25	
	2		2	
	3		3	
	15		15	
	16		16	
	19		19	
	21		21	
	22		22	
	23		23	

CABLE 1225M

DESCRIPTION

Straight-Thru

DB-25 (M) to DB-25 (M)

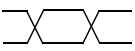
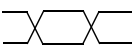
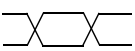
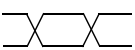
5 feet

FUNCTION

PROTOTYPE

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
SHLD		1		1	SHLD	
		2		3		
		14		16		
		3		2		
		16		14		
		4		8		
		19		10		
		5		5		
		13		13		
		8		4		
		10		19		
		9		9		
		17		17		
		11		12		
		24		15		
		12		11		
		15		24		

Cable and Equipment Guide

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
		6		20		
		20		6		
		7		7		
		23		23		
		18		25		
		22		22		
		25		18		
		21		22		
		22		21		

CABLES 1230/31/32/33

DESCRIPTION

Straight-Thru

RJ-48 (M) to RJ-48 (M)

1230 1 foot

1231 25 feet

1232 50 feet



2133 100 feet

FUNCTION

T1 grade shielded cable

COMPATIBLE CARD(S)

All interface cards, SlimLine

CRKT REF	RJ-48 PINS	TWISTED PAIR	RJ-48 PINS	CRKT REF
R1	1		1	R1
T1	2		2	T1
R	4		4	R
T	5		5	T
	SHLD		SHLD	

CABLE 1239

DESCRIPTION

RJ-48 to RJ-48

Straight-Thru

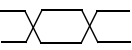
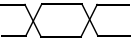
1 foot

FUNCTION

Connects PBX T1 equipment to interface card.

COMPATIBLE CARD(S)

All interface cards

RJ-48 PINS	TWISTED PAIR	RJ-48 PINS
1		1
2		2
4		4
5		5
SHLD		SHLD

CABLE 1240

DESCRIPTION

Straight-Thru

DB-26 (M) to DB-25 (F)

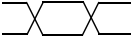
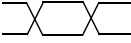
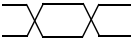
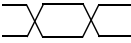
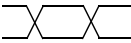
5 feet

FUNCTION

RS530 DB-26 to DB-25 adapter cable for the 4-port HSU Card.

COMPATIBLE CARD(S)

8213, 8215, 821520

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
SHLD			1		1	SHLD	
TDA	103A	←	2		2	TDA	103A
TDB	103B	←	14		14	TDB	103B
RDA	104A	→	3		3	RDA	104A
RDB	104B	→	16		16	RDB	104B
RTSA	105A	←	4		4	RTSA	105A
RTSB	105B	←	19		19	RTSB	105B
CTSA	106	→	5		5	CTSA	106A
CTSB	121B	→	13		13	CTSB	121B
RLSDA	109A	→	8		8	RLSDA	109A
RLSDB	109B	→	10		10	RLSDB	109B

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
STA	114A	→	15		15	STA	114A
RSTA	114B	→	12		12	RSTA	114B
STB	115A	→	17		17	STB	115A
STA	115B	→	9		9	STA	115B
TTA	113A	←	24		24	TTA	113A
TTB	113B	←	11		11	TTA	113B
DSR	107A	→	6		6	DSR	107A
SG	102A		7		7	SG	102A
LL	141	←	18		18	LL	141
DTR	108.2A	←	20		20	DTR	108.2A
RL	140	←	21		21	RL	140
DSR	107B	→	22		22	DSR	107B
TM	142	→	25		25	TM	142

1251, 1252, 1253 Personality Modules

DESCRIPTION

Personality Modules

1251 - V.35 Connections

1253 Module replaces the 1252 - RS232 Connections

See the connector illustrations in the Product Description section of this Guide.

FUNCTION

Module 1251 connects former style 8202 HSU cards without V.35 RS530 switches.

Model 1253 connects 8202 HSU cards to RS232.

CABLE 1257

DESCRIPTION

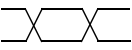
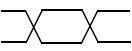
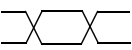
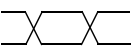
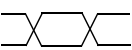
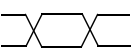
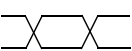
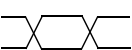
Gender Changer

V.35 (F) to V.35 (F)

5 inches

FUNCTION

V.35 female-to-female gender changer

CRKT REF	ITU REF	V.35 PINS	TWISTED PAIR	V.35 PINS	CRKT REF	ITU REF
SHLD	101	A		A	SHLD	101
GND	102	B		B	GND	102
RLSD	109	F		F	RLSD	109
RTS	105	C		C	RTS	105
DTR	108.2	H		H	DTR	108.2
CTS	106	D		D	CTS	106
DSR	107	E		E	DSR	107
TDA	103A	P		P	TDA	103A
TDB	103B	S		S	TDB	103B
RDA	104A	R		R	RDA	104A
RDB	104B	T		T	RDB	104B
SCTEA	113A	U		U	SCTEA	113A
SCTEB	113B	W		W	SCTEB	113B
SCRA	115A	V		V	SCRA	115A
SCRB	115B	X		X	SCRB	115B
SCTA	114A	Y		Y	SCTA	114A
SCTB	114B	AA		AA	SCTB	114B

CABLE 1260F

DESCRIPTION

Cross-over

DB-25 (M) to V.35 (F)

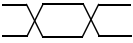
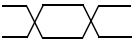
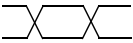
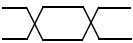
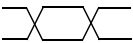
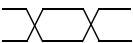
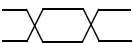
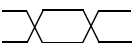
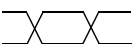
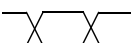
6 feet

FUNCTION

Connects the 8214 HSU Card set as a DCE Device to a V.35 DCE Device.

COMPATIBLE CARD(S)

8214XX

CRKT REF	ITU REF	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DCE	CRKT REF	ITU REF
SHLD		1		A	SHLD	
XRTS		4		C	XRTS	
XCTS		5		D	XCTS	
XDSR		6		E	XDSR	
GND		7		B	GND	
XRLSD		8		F	XRLSD	
TDB		9		S	TDB	
TDA		10		P	TDA	
TTB		11		W	TTB	
TTA		12		U	TTA	
RDB		13		T	RDB	
RDA		14		R	RDA	
RCA		15		X	RCA	
RCB		18		V	RCB	
XTM		19		NN	XTM	
XDTR		20		H	XDTR	
XRLB		21		N	XRLB	
XLLB		22		L	XLLB	
STB		24		AA	STB	
STA		25		Y	STA	

CABLE 1260M (Obsolete, use 1260F)

DESCRIPTION

Adapter Cable

DB-26 (M) to DB-25 (F)

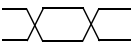
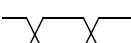
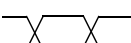
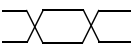
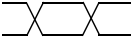
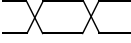
5 feet

FUNCTION

DB-25 TO V.35 adapter cable

COMPATIBLE CARD(S)

8214

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
GND	101		1		A	RG	101
RTS	105A	←	4		D	CTS	106A
CTS	106A	→	5		C	RTS	105A
DSR	107A	→	6		H	DTR	108A
SG	102		7		B	SG	102A
RLSD	109A	→	8		N		
			9		T	RD	104B
			10		R	RD	104A
			11		AA	SCT	114B
RLSDB	122	→	12		Y	SCT	114A
CTSB	121	→	13		S	SD	103B
TDB	118	←	14		P	SD	103A

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
TSET	114A	→	15		V	SCR	115A
RDB	119	→	16		X	SCR	115B
RTSB	120	←	19		L		
DTR	108A	←	20		E	DSR	107A
RL	140	←	21		F	RLSD	109A
RI	125	→	22		NN		
TSET	113A	←	24		W	SCTE	113B
TI	142	→	25		U	SCTE	113A

CABLES 1261M and 1261F

DESCRIPTION

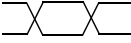
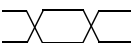
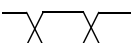
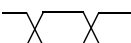
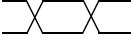
1261M (Obsolete)	1261F
Straight-Thru	Straight-Thru
DB-25 (M) to V.35 (F)	DB-25 (M) to V.35 (F)
5 inches	5 inches

FUNCTION

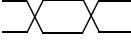
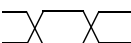
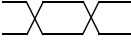
Connects 2-port HSU Card to a V.35 DTE Device.

COMPATIBLE CARD(S)

8202XX, 8212XX, Slimline

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
FG	101		1		A	FG	101
RTS	105A	←	4		C	RTS	105A
SD	103A	←	2		P	SD	103A
SD	103B	←	14		S	SD	103B
RD	104A	→	3		R	RD	104A
RD	104B	→	16		T	RD	104B
CTS	106A	→	5		D	CTS	106A
DSR	107A	→	6		E	DSR	107A
SG	102		7, 19		B	SG	102
RLSD	109A	→	8		F	RLSD	109A

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
SCR	115B	→	9		X	SCR	115B
SCR	115A	→	17		V	SCR	115A
SCTE	113A	←	24		U	SCTE	113A
SCTE	113B	←	11		W	SCTE	113B
SCT	114B	→	12		AA	SCT	114B
SCT	114A	→	15		Y	SCT	114A
			18		L		
DTR	108A	←	20		H	DTR	108A
			21	N			
LL	141	←	22	J	LL	141	
LT			25	NN	LT		

CABLE 1261X

DESCRIPTION

Cross-Over

DB-25 (M) to V.35 (M)

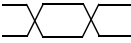
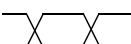
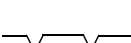

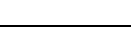

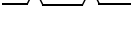
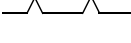



5 feet

FUNCTION

V.35 Cable for 2-port HSU Card when connecting to a DCE Device that accepts clock.

COMPATIBLE CARD(S)

8213, 8215

CRKT REF	ITU REF	DIRECTION	DB-25 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
FG	101		1		A	FG	101
SD	103A	←	2		R	RD	104A
SD	103B	←	14		T	RD	104B
RD	104A	→	3		P	SD	103A
RD	104B	→	16		S	SD	103B
SCR	115B	→	9		W	SCTE	113B
SCR	115A	→	17		U	SCTE	113A
SCTE	113B	←	11		X	SCR	115B
SCTE	113A	←	24		V	SCR	115A
RTS	105A	←	4		F	RLSD	109A
CTS	106A	→	5		H	DTR	108A
SG	102		7, 19		B	SG	102
RLSD	109A	→	8		C	RTS	105A
DTR	108A	←	20		D	RTS	106A

CABLE 1263M and 1263F

DESCRIPTION

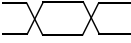
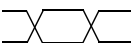
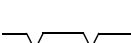

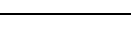
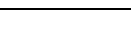

1263M	1263F
Straight-Thru	Straight-Thru
DB-26 (M) to V.35 (M)	DB-26 (M) to V.35 (F)
5 feet	5 feet

FUNCTION

V.35 Cable for 4-port HSU Card when connecting to a DTE Device.

COMPATIBLE CARD(S)

8213, 8215

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
SHLD	101		1		A	SHLD	101
RTS	105	←	4		C	RTS	105
TDA	103A	←	2		P	TDA	103A
TDB	103B	←	14		S	TDB	103B
RDA	104A	→	3		R	RDA	104A
RDB	104B	→	16		T	RDB	104B
CTS	106	→	5		D	CTS	106
DSR	107	→	6		E	DSR	107
GND	102		7, 19		B	GND	102
RLSD	109	→	8		F	RLSD	109

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	V.35 PINS DTE	CRKT REF	ITU REF
SCRB	115B	→	9		X	SCRB	115B
SCRA	115A	→	17		V	SCR	115A
SCTEB	113B	←	11		W	SCTEB	113B
SCTEA	113A	←	24		U	SCTEA	113A
SCTB	114B	→	12		AA	SCTB	114B
SCTA	114A	→	15		Y	SCTA	114A
LL		←	18		L	LL	
			N/C		N/C		
DTR	108	←	20		H	DTR	108.2
			N/C		N/C		
RL		→	21		N	RL	
			N/C		N/C		
RI	141	→	22		J	RI	
			N/C		N/C		
TM		→	25		NN	TM	

CABLE 1263X

DESCRIPTION

Cross-Over

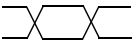
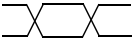
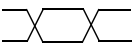
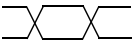
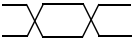
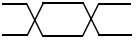
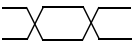
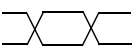
DB-26 (M) to V.35 (M)

5 feet

FUNCTION

For the 4-port HSU Card connected to a V.35 HSU DCE Device that accepts clock.

COMPATIBLE CARD(S): 8215XX, 8213XX

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	V.35 PINS DCE	CRKT REF	ITU REF
SHLD			1		A	SHLD	
RTS	105A	→	4		F	RLSD	109
TDA	103A	→	2		R	RDA	104A
TDB	103B	→	14		T	RDB	104B
RDA	104A	←	3		P	SDA	103A
RDB	104B	←	16		S	SDB	103B
CTS	106A	→	5		H	DTR	108.2
DTR	108.2A	→	20		D	CTS	106
SGND	113B		19 TO 7		B	SGND	102
RLSD	109A	←	8		C	RTS	105
RTB	115B	←	9		W	SCTEB	113B
RTA	115A	←	17		U	SCTEA	113A
TTB	113B	→	11		X	SCRB	115B
TTA	113A	→	24		V	SCRA	115A
CLKA	108.2B	→	23		Y	SCRTA	114A
CLKB		→	26		AA	SCTB	114B

CABLES 1264M and 1264F

DESCRIPTION

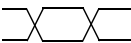
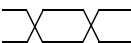
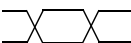
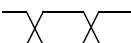
1264M (Obsolete)	1264F
Straight-Thru	Straight-Thru
DB-26 (M) to DB-25 (M)	DB-26 (M) to DB-25 (F)
5 feet	5 feet

FUNCTION

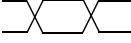
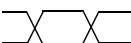
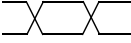
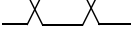
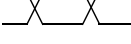
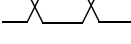
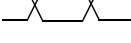
DB26 to DB25 RS530 Cable Adapter for connecting a 4-port HSU Card to an RS530 DTE Device.

COMPATIBLE CARD(S)

8213XX, 8215XX

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
SHLD			1	SHLD		SHLD	
TDA	103A	←	2		2	TDA	103A
TDB	103B	←	14		14	TDB	103B
RDA	104A	→	3		3	RDA	104A
RDB	104B	→	16		16	RDB	104B
RTSA	105A	←	4		4	RTSA	105A
RTSB	105B	←	19		19	RTSB	105B
CTSA	106A	→	5		5	CTSA	106A
CTSB	121A	→	13		13	CTSB	121A

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-25 PINS DTE	CRKT REF	ITU REF
RLSDA	109A	→	8		8	RLSDA	109B
RLSDB	109B	→	10		10	RLSDB	109B
RSTB	115B	→	9		9	RSTB	115B
RSTA	115A	→	17		17	RSTA	115A
STB	114B	→	12		12	STB	114B
STA	114A	→	15		15	STA	114A
TTB	113B	←	11		11	TTB	113B
TTA	113A	←	24		24	TTA	113A
DSR	107A	→	6		6	DSR	107A
SIG COM			7 TO 23		7	SIG COM	
LL	141	←	18		18	LL	141
DTR	108.2A	←	20		20	DTR	108.2A
RL	140	←	21		21	RL	140
DSRB	107B		22		22	DSRB	107B
TM	142		25		25	TM	142

CABLE 1264X

DESCRIPTION

Cross-Over

DB-26 (M) to DB-25 (F)

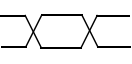

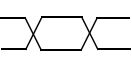
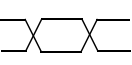
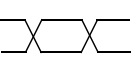
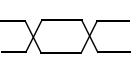
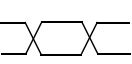
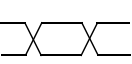
5 feet

FUNCTION

Connects a 4-port HSU Card DB-26/RS530 to a DCE RS530 Interface that accepts clock.

COMPATIBLE CARD(S)

8213XX, 8215XX

CRKT REF	ITU REF	DB-26 PINS DCE	TWISTED PAIR	DB-25 PINS DCE	CRKT REF	ITU REF
SHLD		1		1	SHLD	
TDA	103A	2		3	RDA	104A
TDB	103B	14		16	RDB	104B
RDA	104A	3		2	TDA	103A
RDB	104B	16		14	TDB	103B
RTSA	105A	4		8	RLSDA	109A
RTSB	105B	19		10	RLSDB	109B
RLSDA	109A	8		4	RTSA	105A
RLSDB	109B	10		19	RTSB	105B
RTB	115B	9		11	TTB	113B
RTA	115A	17		24	TTA	113A
TTB	113B	11		9	RTB	115B
TTA	113A	24		17	RTA	115A
CTS	106A	5		20	DTR	108.2A
		N/C		N/C		
SG	102A	7		7	SG	102A
		N/C		N/C		
DTR	108.2A	20		5	CTS	106A

CABLES 1265M and 1265F

DESCRIPTION

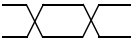
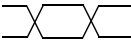
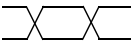
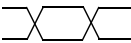
1265M (Obsolete)	1265 F
Straight-Thru	Straight-Thru
DB-26 (M) to DB-37 (M)	DB-26 (M) to DB-37 (F)
5 feet	5 feet

FUNCTION

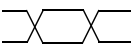
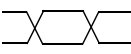
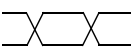
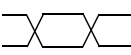
Connects a 4-port HSU Card to an RS449 DTE Device.

COMPATIBLE CARD(S)

8213XX, 8215XX

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-37 PINS DTE	CRKT REF	ITU REF
SHLD			1	SHLD		SHLD	
SDA	103A	←	2		4	SDA	103A
SDB	103B	←	14		22	SDB	103B
RDA	104A	→	3		6	RDA	104A
RDB	104B	→	16		24	RDB	104B
RSA	105A	←	4		7	RSA	105A
RSB	105B	←	19		25	RSB	105B
CSA	106A	→	5		9	CSA	106A
CSB	106B	→	13		27	CSB	106B

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-37 PINS DTE	CRKT REF	ITU REF
RRA	109A	→	8		13	RRA	109A
RRB	109B	→	10		31	RRB	109B
STA	114A	→	15		5	STA	114A
STB	114B	→	12		23	STB	114B
RTA	115A	→	17		8	RTA	115A
RTB	115B	→	9		26	RTB	115B
TTA	113A	←	24		17	TTA	113A
TTB	113B	←	11		35	TTB	113B
DMA	107A	→	6		11	DMA	107A
SG	102		7		19,20,29	SGA/RCA	102A/107B
LL	141	←	18		10	LL	141
TRA	108A	←	20		12	TRA	108A
RL	140	←	21		14	RL	140
IC	125	→	22		15	IC	125
TM	142	→	25		18	TM	142

CABLE 1265 (X)

DESCRIPTION

Cross-Over

DB-26 (M) to DB-37 (F)

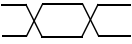
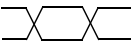
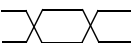
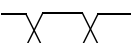
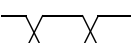
5 feet

FUNCTION

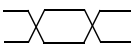
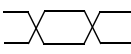
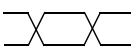
Connects a 4-port HSU Card to an RS449 DCE Device that accepts clock.

COMPATIBLE CARD(S)

8215XX, 8213XX

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-37 PINS DCE	CRKT REF	ITU REF
SHLD			1		1	SHLD	
TDA	102A	←	2		6	TDA	102A
TDB	102B	←	14		24	TDB	102B
RDA	103A	→	3		4	RDA	103A
RDB	103B	→	16		22	RD	103B
RTSA	109A	←	4		13	RTSA	109A
RTSB	109B	←	19		31	RTSB	109B
CTSA	108.2A	→	5		12	CRSA	108.2A
CTSB	108.2B	→	13		30	CRSB	108.2B
RLSDA	105A	→	8		7	RLSDA	105A
RLSDB	105B	→	10		25	RLSDB	105B

Cable and Equipment Guide

CRKT REF	ITU REF	DIRECTION	DB-26 PINS DCE	TWISTED PAIR	DB-37 PINS DCE	CRKT REF	ITU REF
CLKA	114B	←	23		23	CLKA	114B
CLKB	114A	←	26		5	CLKB	114A
RTA	113A	→	17		17	RTA	113A
RTB	AA3B	→	9		35	RTB	113B
TTA	115A	←	24		8	TTA	115A
TTB	115B	←	11		26	TTB	115B
SGND	102A		7		19	SGND	102A
DTR	102A	←	20		9	DTR	102A

CABLE 1266F

DESCRIPTION

Straight-Thru

DB-15 (F) to DB-25 (M)

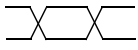
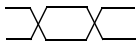
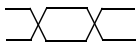
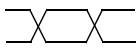
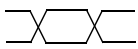
5 feet

FUNCTION

Connects a 2-port HSU Card to an X.21 DCE Device.

COMPATIBLE CARD(S)

8203XX

X.21 CTT	DB-15 PINS	TWISTED PAIR	DB-25 PINS	DESCRIPTION
	1		1	
T	2		3	TD
T	9		14	TD
R	4		3	RD
R	11		16	RD
C	3		4	CONTROL
C	10		19	RLSD
I	5		8	INDICATION
I	12		10	RTS
S	6		15	SIG. ELEMENT
S	13		12	TIMING CLK
G	8		7	SIG GND

CABLE 1266M (Obsolete)

DESCRIPTION

Straight-Thru

DB-15 (M) to DB-25 (M)

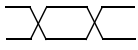
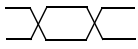
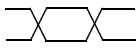
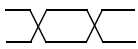
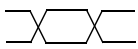
5 feet

FUNCTION

Connects a 2-port HSU Card to an X.21 Device.

COMPATIBLE CARD(S)

8203XX

X.21 CTT	DB-15 PINS	TWISTED PAIR	DB-25 PINS	DESCRIPTION
	1		1	
T	2		3	TD
T	9		16	TD
R	4		2	RD
R	11		14	RD
C	3		8	CONTROL
C	10		10	RLSD
I	5		4	INDICATION
I	12		19	RTS
S	6		24	SIG. ELEMENT
S	13		11	TIMING CLK
G	8		7	SIG GND

CABLE 1268

DESCRIPTION

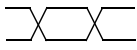
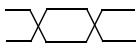
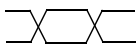
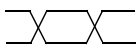
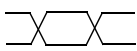
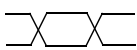
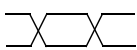
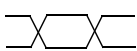
Straight-Thru

DB-26 (M) to DB-26 (F)

25 feet

FUNCTION

Extension cable for V.35 Device

DB-26 PINS	TWISTED PAIR	DB-26 PINS
1		1
4		4
2		2
14		14
3		3
16		16
5		5
6		6
7,19		7,19
8		8
9		9
17		17
11		11
24		24
12		12
15		15

CABLE 1269

DESCRIPTION

Straight-Thru

DB-26 (M) to DB-26 (F)

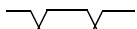
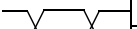
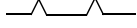
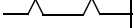
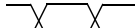
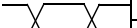
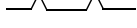
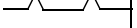


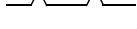
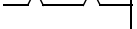





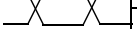


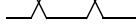
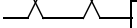


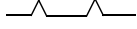
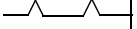


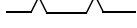

25 feet

FUNCTION

Extension cable for RS530.

COMPATIBLE CABLE(S)

1264, 1265

DB-26 PINS	TWISTED PAIR	DB-26 PINS		DB-26 PINS	TWISTED PAIR	DB-26 PINS
1		1		11		11
20		20		24		24
2		2		12		12
14		14		15		15
3		3		18		18
16		16		N/C		N/C
4		4		21		21
19		19		N/C		N/C
5		5		22		22
13		13		N/C		N/C
6		6		23		23
7		7		25		25
8		8		26		26
10		10		N/C		N/C
9		9				
17		17				

1504 M66 Terminal Block

DESCRIPTION

M66 Terminal Block with 2 Amphenol (F) 50-pin telco connectors

10 inches

FUNCTION

Connect facilities with Amphenol connectors.

See the connector illustrations in the Product Description section of this Guide.

