

## PLC/DCS Cable Cross Reference Guide

PLC/DS Manufacturer	System Name	Belden Part No.
ABB/Bailey Controls	FOUNDATION™ Fieldbus	See Protocol listings on page 4.
	Industrial IT 800 X A	9880 Network Trunk Cable
	Infinet	9880 Network Trunk Cable
		9463 Blue Hose® (Standard)
	Masterpiece 200	9880 Network Trunk Cable
		9907 Thin Network Trunk Cable
	MICRO-DCI	3105A 1 Pair, RS-485
	MICROLINK	9860 Twinax, 16 AWG, 124 Ohm
Modcell	3105A 1 Pair, RS-485	
Profibus® DP & PA	See Protocol listings on page 4.	
Cutler-Hammer/ Westinghouse	IMPACC System	YR29090 Proprietary Trunk Cable
	I/Q System	9463 Blue Hose (Standard)
Echelon	LONWORKS®	See Protocol listings on page 4.
Emerson	DeviceNet®	See Protocol listings on page 4.
Process Management (Fisher/ Rosemont Systems) — Delta V Ovation	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 4.
	HART®	See Protocol listings on page 4.
	Modbus®	See Protocol listings on page 4.
	Profibus DP	See Protocol listings on page 4.
	Provox Plus	3091A RG-11 Quad Shield PVC
		3131A RG-6 Quad Shield PVC
	RS-485	See Protocol listings on page 4.
	GE Energy	Mark VI
Mark VIe		See Industrial Ethernet on page 4.
EX2100		See Industrial Ethernet on page 4.
GE Fanuc — I/O Bus	DeviceNet	See Protocol listings on page 4.
	Genius	YR29841 PLTC Version
	9030, 9070	9182 Communications Bus
	PAC System	89182 Plenum Version
	Interbus®-S	See Protocol listings on page 4.
	Modbus	See Protocol listings on page 4.
	Profibus	See Protocol listings on page 4.
GE Fanuc — Sensor Device Networks	DeviceNet	See Protocol listings on page 4.
	Smart Distributed System (SDS®)	See Protocol listings on page 4.
Honeywell	Access 4000 System	9248 RG-6 PVC
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 4.
	IPC 620 System I/O	9271 Twinax, 25 AWG, 124 Ohm
	IPC 620 System	9729 Up to 4,000 ft.
		9182 Up to 10,000 ft.
	Serial Interface	89182 Plenum
		RS-485 Foundation Fieldbus Industrial Ethernet
	3000 UCN & LCN	3131A RG-6 Quad Shield PVC
3094A RG-11 Quad Shield PVC		
Honeywell Microswitch Division	Smart Distributed System (SDS)	3086A Mini
		3087A Micro

PLC/DS Manufacturer	System Name	Belden Part No.
Invensys/ Foxboro	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 4.
	I/A Series Carrier Band	8233 Small Trunk
		3095A Plenum
		9290 Drop Cable
	I/A Series Fieldbus	9207 Twinax
		89207 200°C, Plenum
		3073F 600V Tray Cable
	I/A Series Node Bus	9880 Trunk Cable
		89880 Plenum Version
	Industrial Ethernet	See Protocol listings on page 4.
Limitorque	DCC100	3105A Actuator Bus Cable, 1 Pair, RS-485
	Matsushita	FP Series C-NET
9860 Twinax, 16 AWG, Solid, 124 Ohm		
FP Series MEWNET-F		9207 Twinax, 20 AWG, Stranded, 100 Ohm
		9860 Twinax, 16 AWG, Solid, 124 Ohm
FP Series MEWNET-H	9248 RG-6, 75 Ohm, 18 AWG	
FP Series MEWNET-TR	9207 Twinax, 20 AWG, Stranded, 100 Ohm	
	9860 Twinax, 16 AWG, Solid, 124 Ohm	
FP Series MEWNET-W	9207 Twinax, 20 AWG, Stranded, 100 Ohm	
	9806 4 Pair, RS-232, RS-422	
FP Series MEWNET-W2	9207 Twinax, 20 AWG, Stranded, 100 Ohm	
	9860 Twinax, 16 AWG, Solid, 124 Ohm	
FP Series TRNET	9207 Twinax, 20 AWG, Stranded, 100 Ohm	
	9860 Twinax, 16 AWG, Solid, 124 Ohm	
Mitsubishi Electric Automation	CC-Link	See Protocol listings on page 4.
	DeviceNet	See Protocol listings on page 4.
	Melsecnet II (10/10H)	1505A Precision RG-59/U Coax
		1505F High Flex 1505A
		1506A Plenum Precision RG-59/U, Outdoor, Direct Burial
		8241 Standard RG-59/U Coax
		8241F High Flex 8241F
	Modbus	See Protocol listings on page 4.
Profibus DP	See Protocol listings on page 4.	
Serial Communications	8777 Control and Instrumentation Interconnect Cable	

FEP = Fluorinated Ethylene-propylene

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Modicon/ Schneider AEG	Industrial Ethernet	See Protocol listings on page 4.
	Modbus	8777 Modem Drop Cable, 22 AWG, 3 Pair
		128777 Aluminum Armor (8777)
		138777 Steel Armor (8777)
		88777 FEP 200°C, Plenum
	Modbus II	3092A RG-6 Quad Shield PVC
		3132A RG-6 Quad Shield, 150°C, Plenum
		3092F RG-6 Quad Shield PVC, Flexible Version
		123092A Aluminum Armor (3092A)
		133092A Steel Armor (3092A)
	Modbus Plus	YM29560 24 AWG, 1 Pair, RS-485
		YC39000 Aluminum Armor (YM29560)
		YC39222 Steel Armor (YM29560)
		YQ29258 24 AWG, 1 Pair, 150°C, Plenum
	Remote I/O	3092A RG-6 Quad Shield PVC
		3092F RG-6 Quad Shield PVC, Flexible Version
		123092A Aluminum Armor (3092A)
		133092A Steel Armor (3092A)
		123092F Aluminum Armor, RG-6 Quad Shield PVC
		3132A RG-6 Quad Shield, 150°C, Plenum
		3094A RG-11 Quad Shield PVC
		123094A Aluminum Armor (3094A)
		133094A Steel Armor (3094A)
3095A RG-11 Quad Shield, 150°C, Plenum		
Omron	ComboBus/D (DeviceNet)	See DeviceNet Protocol listings on page 4.
	ComboBus/S	9409 18 AWG, 1 Pair, 300V PLTC Control
		9318 18 AWG, 1 Pair, 300V PLTC Control, Shielded
		3073 600V Tray Cable, Twinax
		89740 18 AWG, 1 Pair, 300V control
	Controller Link	9207 Twinax
		89207 Twinax, 200°C, Plenum
		9815 Twinax, 100 Ohm, Direct Burial
		3073F 600V Tray Cable, Twinax
	Industrial Ethernet	See Protocol listings on page 4.
	SYSBUS-2	3073F 600V Tray Cable Twinax
SYSMAC BUS	9841 22 AWG, 1 Pair, RS-485	
	3105A 22 AWG, 1 Pair, RS-485	
SYSMAC LINK	9231 RG-59U Coax	
Phoenix Contact	DeviceNet	See Protocol listings on page 4.
	Industrial Ethernet	See Protocol listings on page 4.
	Interbus-S	See Protocol listings on page 4.
	Profibus DP FMS & PA	See Protocol listings on page 4.

PLC/DS Manufacturer	System Name	Belden Part No.
Reliance/A-B	Auto Max Distributed Power	MTB6002 2 Fiber Breakout
		I100255 2 Fiber Loose Tube PVC
		I100266 2 Fiber Loose Tube CPE
	R-Net	9259 RG-59 PVC
		89259 RG-59, 200°C, Plenum.
Rockwell Automation/ Allen-Bradley	ControlNet™	See Protocol listings on page 4.
	DeviceNet DH, DH+, Remote I/O	See Protocol listings on page 4.
		9463 Blue Hose (Standard)
		9463F Flexible Version (9463)
		129463 Aluminum Armor (9463)
		139463 Steel Armor (9463)
		189463 Continuous Armor (9463)
		YR28826 Dual Version (9463)
		YC39151 Dual Armored (9463)
		9463DB Direct Burial (9463)
		YR29565 Various Color Jackets (9463)
		3072F 600V TC Rated (9463)
		YR41104 Low Smoke, Halogen Free
		YR28764 Super Thick (PLTC)
		89463 FEP 200°C, Plenum
		DH-485
	3106A 1.5 Pair, RS-485 (PLTC)	
	9842 2 Pair, RS-485	
	YM39500 Flexible Version (3106A)	
	Industrial Ethernet	See Protocol listings on page 4.
	Longline Communications	8723 Interface Cable
		88723 Plenum Version
	Rotork	Pakscan II E RS-485
Siemens/ Moore	FMC (Field Mountable Controller)	3105A 1 Pair, RS-485
		3106A 1.5 Pair, RS-485
		3107A 2 Pair, RS-485
		3108A 3 Pair, RS-485
		3109A 4 Pair, RS-485
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 4.
	Hiway	9860 Network Trunk Cable
	Industrial Ethernet	See Protocol listings on page 4.
	MODULNET	3094A RG-11 Quad Shield PVC
		3131A RG-6 Quad Shield PVC
Profibus DP & FMS (Purple)	See Protocol listings on page 4.	
Profibus PA (Blue)	See Protocol listings on page 4.	
SINEC Series H1	9907 Thin Network Trunk Cable	
	9880 Network Trunk Cable	
SINEC Series H2B	3131A RG-6 Quad Shield	
	3094A RG-11 Quad Shield	
SINEC Series L1	3107A 2 Pair, RS-485	
SINEC Series L2	3079A 300V Twinax	
Thicknet Ethernet Trunk	9880 Network Trunk Cable	
	129880 Aluminum Interlocked Armor Trunk	
	139880 Steel Interlocked Armor Trunk	
Thicknet Ethernet Trunk	9880 Network Trunk Cable	
	9907 Thin Network Trunk Cable	

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Smar	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 4.
	Industrial Ethernet	See Protocol listings on page 4.
	Profibus DP FMS & PA	See Protocol listings on page 4.
	RS-485	See Protocol listings on page 4.
Square D/ Schneider AEG	FIP/Fieldbus	3079A 22 AWG, 1 Pair, Shielded
		123079A Aluminum Armor (3079A)
	Industrial Ethernet	See Protocol listings on page 4.
	Model 50, RS-422 Cable	8760 18 AWG, 1 Pair, Shielded
		128760 Aluminum Armor (8760)
		3105A 22 AWG, 1 Pair, RS-485
	Passport I/O – I/O Net	123105A Aluminum Armor (3105A)
		3106A 22 AWG, 1.5 Pair, RS-485
		123106A Aluminum Armor (3106A)
		Power Logic
9842 24 AWG, 2 Pair, RS-485		
Seriplex®	3124A CBL-1822-P20	
	3125A CBL-1622-P16	
	3126A CBL-162212-P16	
	123124A Aluminum Armor (3124A)	
	123125A Aluminum Armor (3125A)	
	123126A Aluminum Armor (3126A)	
	9463 Blue Hose® (Standard)	
	9463F Flexible Version (9463)	
	129463 Aluminum Armor (9463)	
	139463 Steel Armor (9463)	
	189463 Continuous Armor (9463)	
	YR28826 Dual Version (9463)	
	9463DB Direct Burial (9463)	
	YR29565 Various Color Jackets (9463)	
	SY/Net Network Trunk Cable	3072F 600V TC Rated (9463)
YR41194 Low Smoke, Halogen Free		
YR28764 Super Thick (PLTC)		
89463 FEP 200°C, Plenum		
SY/Net TNIM Cable	9272 20 AWG, 1 Pair, Shielded	
	89272 FEP 200°C, Plenum	

PLC/DS Manufacturer	System Name	Belden Part No.
Yokogawa — CENTUM	DeviceNet	See Protocol listings on page 4.
	FOUNDATION Fieldbus	See Protocol listings on page 4. (Type SP50 ISA/IEC)
	HART	See Protocol listings on page 4.
	Industrial Ethernet	See Protocol listings on page 4.
	Profibus	See Protocol listings on page 4.
	RS-485	See Protocol listings on page 4.
Yokogawa — FA-M3	DeviceNet	See Protocol listings on page 4.
	Industrial Ethernet	See Protocol listings on page 4.
	Modbus	See Protocol listings on page 4.
	Profibus	See Protocol listings on page 4.
	RS-485	See Protocol listings on page 4.
Yokogawa — STARDOM	DeviceNet	See Protocol listings on page 4.
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 4.
	HART	See Protocol listings on page 4.
	Industrial Ethernet	See Protocol listings on page 4.
	Profibus	See Protocol listings on page 4.
Westinghouse	WDPF	9292 RG-11 PVC

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 DeviceNet is an Open DeviceNet Vendor Association, Inc. trademark.  
 EtherNet/IP is a ControlNet International, Ltd. trademark, under license by Open DeviceNet Vendor Association, Inc.  
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 HART is a HART Communication Foundation trademark.  
 InterBus is a Phoenix Contact trademark.  
 LONWORKS is an Echelon trademark.  
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 PROFINET is a PROFIBUS International trademark.  
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 Seriplex is a Square D/Schneider AEG trademark.

## Protocol Cross Reference

System Name	Belden Part No.	
<b>Can Open/HART/ RS-485</b>	<b>3105A</b> 1 Pair, RS-485 (PLTC)	
	<b>3106A</b> 1.5 Pair, RS-485 (PLTC)	
	<b>3107A</b> 2 Pair, RS-485 (PLTC)	
<b>CC-Link</b>	<b>1348A</b> 20/3C, Foil + Braid Shield (formerly YR47205)	
	<b>1349A</b> 20/3C Shielded + 18/2C Power (formerly YR47198)	
<b>ControlNet</b>	<b>3092A</b> RG-6 PVC Quad Shield	
	<b>3092F</b> RG-6 PVC Quad Shield, Flex Version, Alum. Braid	
	<b>YR28890</b> RG-6 PVC Quad Shield, Flex Version, Copper Br.	
	<b>3093A</b> RG-6 FEP Quad Shield, Plenum	
	<b>123092A</b> Aluminum Armor (3092A)	
	<b>133092A</b> Steel Armor (3092A)	
	<b>183092A</b> Continuous Armor (3092A)	
	<b>9463</b> 20 AWG Twinax, Blue Hose	
	<b>3072F</b> 600V, TC Blue Hose	
<b>DataHighway (DH) &amp; DataHighway Plus (DH+) Remote I/O</b>	<b>9463DB</b> Direct Burial Blue Hose	
	<b>9463F</b> High-Flex, Blue Hose	
	<b>89463</b> High Temp, Plenum Blue Hose	
	<b>129463</b> Aluminum Armor (9463)	
	<b>139463</b> Steel Armor (9463)	
	<b>189463</b> Continuous Armor (9463)	
	<b>YR28826</b> Dual Blue Hose	
	<b>YC39151</b> Dual Armored Blue Hose	
	<b>YR28764</b> Thick Wall PLTC Blue Hose	
	<b>YR29565</b> Colored Blue Hose	
	<b>YR41104</b> Low Smoke Zero Halogen Blue Hose	
	<b>DeviceNet</b>	<b>3082A</b> PVC (Thick)
		<b>3082F</b> High-Flex (Thick)
		<b>3082K</b> CL2 (Flat)
		<b>3082KP</b> Auxiliary Power (Flat)
<b>3083A</b> CPE (Thick)		
<b>3084A</b> PVC (Thin)		
<b>3084F</b> High-Flex (Thin)		
<b>3085A</b> CPE (Thin)		
<b>7895A</b> CL2 PVC (Cable III Mid)		
<b>7896A</b> CL1 PVC (Type V Trunk Cable)		
<b>7897A</b> CL1 PVC (Thick)		
<b>7900A</b> CL1 Unshielded (Drop Cable IV)		
<b>FOUNDATION Fieldbus (Type SP50 ISA/IEC)</b>		<b>3076F</b> Type A, 18 AWG, Foil, PLTC-ER ITC
	<b>3077F</b> Type B, 1200m (31.25K)	
	<b>3078F</b> High speed 500m (2.5MHz)	
	<b>HSE</b> Copper & Fiber See Industrial Ethernet listing.	
	<b>1334A</b> Type A, 18 AWG, Foil & Braid, PLTC ITC	
	<b>1335A</b> Type A, 16 AWG, Foil & Braid, PLTC-ER ITC	
	<b>1336A</b> Type A, 14 AWG, Foil & Braid, PLTC-ER ITC	
	<b>1327A</b> Type A, 18 AWG, 2 Pairs, PLTC ITC	
	<b>1328A</b> Type A, 18 AWG, 5 Pairs, PLTC ITC	
	<b>1329A</b> Type A, 18 AWG, 8 Pairs, PLTC ITC	
	<b>1330A</b> Type A, 18 AWG, 12 Pairs, PLTC ITC	
	<b>1331A</b> Type A, 18 AWG, 16 Pairs, PLTC ITC	
	<b>1332A</b> Type A, 18 AWG, 20 Pairs, PLTC ITC	
	<b>1333A</b> Type A, 18 AWG, 24 Pairs, PLTC ITC	
	<b>HART/RS-485/ Can Open</b>	<b>3105A</b> 1 Pair, RS-485 (PLTC)
		<b>3106A</b> 1.5 Pair, RS-485 (PLTC)
		<b>3107A</b> 2 Pair, RS-485 (PLTC)
<b>Industrial Ethernet</b>	<b>7932A</b> Cat 5e, 2-Pair, Bonded	
	<b>7933A</b> Cat 5e, 2-Pair, Bonded, Shielded	
	<b>7923A</b> Cat 5e, 4-Pair, Bonded	
	<b>7918A</b> Cat 5e, 4-Pair	
	<b>7924A</b> Cat 5e, 4-Pair, Bonded, Flexible	
	<b>7929A</b> Cat 5e, Bonded, Stranded, Shielded	
	<b>7930A</b> Cat 5e, 4-Pair, Flexible	

System Name	Belden Part No.	
<b>Industrial Ethernet (Continued)</b>	<b>7922A</b> Cat 5e, 4-Pair, Bonded, PLTC	
	<b>7934A</b> Cat 5e, 4-Pair, Bonded, Burial	
	<b>7937A</b> Cat 5e, 4-Pair, Bonded, Shielded, Burial	
	<b>7928A</b> Cat 5e, 4-Pair, Bonded, Gas Res, High + Low Temperature	
	<b>11700A</b> Cat 5e, 4-Pair, Bonded, Upjacketed	
	<b>11700A2</b> Cat 5e, 4-Pair, Bonded, Upjacketed, Oil Res II	
	<b>121700A</b> Cat 5e, 4-Pair, Bonded, Armored	
	<b>121700R</b> Cat 5e, Bonded, Armored, -40°C Cold Impact	
	<b>7919A</b> Cat 5e, 4-Pair, Shielded	
	<b>7921A</b> Cat 5e, 4-Pair, Bonded, Shielded (Foil + Braid)	
	<b>7935A</b> Cat 5e, Bonded, Low Smoke Zero Halogen	
	<b>7936A</b> Cat 5e, Bonded, Shielded, Low Smoke Zero Halogen	
	<b>7927A</b> Cat 6, 4-Pair, Bonded	
	<b>7931A</b> Cat 6, 4-Pair, Bonded, Gas Res, High + Low Temperature	
	<b>11872A</b> Cat 6, 4-Pair, Bonded, Upjacketed	
	<b>121872A</b> Cat 6, 4-Pair, Bonded, Armored	
	<b>Interbus-S</b>	<b>3119A</b> 18/3C, 24/3 Pair, Composite
		<b>3120A</b> 24/3 Pair
	<b>LONWORKS</b>	<b>8471</b> 16AWG, 1-Pair, UL AWM 2598
		<b>8917</b> 16AWG, 1 Cond, UL AWM 1015
<b>85102</b> 16AWG, 2 Cond, VW1, Plenum <b>Category 5e</b> See Industrial Ethernet listing.		
<b>Modbus</b>	<b>8777</b> 22 AWG, 3 Pair, Modem Drop Cable	
	<b>128777</b> Aluminum Armor (8777)	
	<b>138777</b> Steel Armor (8777)	
	<b>88777</b> FEP 200°C, Plenum (8777)	
	<b>Profibus DP &amp; FMS (Purple)</b>	<b>3079A</b> 22 AWG 300V Twinax
<b>3079E</b> 22 AWG 300V Twinax, Flex Version		
<b>Profibus PA (Blue) RS-485/HART/ Can Open</b>	<b>3076F</b> 18 AWG, 2 Conductors, Type A	
	<b>9841</b> 1 Pair	
	<b>82841</b> 1 Pair, Plenum	
	<b>89841</b> 1 Pair, Plenum, High-Temperature	
	<b>9842</b> 2 Pair	
	<b>82842</b> 2 Pair, Plenum	
	<b>9843</b> 3 Pair	
	<b>9844</b> 4 Pair	
	<b>7200A</b> 1 Pair, RS-485, Hi Flex	
	<b>7201A</b> 2 Pair, RS-485, Hi Flex	
	<b>7202A</b> 3 Pair, RS-485, Hi Flex	
	<b>7203A</b> 4 Pair, RS-485, Hi Flex	
	<b>7206A</b> 1 Pair, RS-485, Hi Flex	
	<b>3105A</b> 1 Pair, RS-485 (PLTC)	
	<b>3106A</b> 1.5 Pair, RS-485 (PLTC)	
<b>3107A</b> 2 Pair, RS-485 (PLTC)		
<b>3108A</b> 3 Pair, RS-485 (PLTC)		
<b>3109A</b> 4 Pair, RS-485 (PLTC)		
<b>Seriplex</b>	<b>3124A</b> 1 Pair 18 AWG, 1 Pair 22 AWG	
	<b>3125A</b> 1 Pair 16 AWG, 1 Pair 22 AWG	
	<b>3126A</b> 1 Pair 16 AWG, 1 Pair 22 AWG, 1 Pair 12 AWG	
	<b>123124A</b> Aluminum Armor (3124A)	
	<b>123125A</b> Aluminum Armor (3125A)	
	<b>123126A</b> Aluminum Armor (3126A)	
<b>Smart Distributed System (SDS)</b>	<b>3086A</b> 1 Pair 16 AWG, 1 Pair 20 AWG	
	<b>3087A</b> 2 Pairs 22 AWG	

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