

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	See Industrial Ethernet on page 4.	
	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
		9182	Communications Bus
	9030, 9070 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 Serial Interface	9729	Up to 4,000 ft.
		9182	Up to 10,000 ft.
	Series C	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	9207	Twinax, 20 AWG, Stranded, 100 Ohm
		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)		
		YM29560 24 AWG, 1 Pair, RS-485		
	Modbus Plus	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		
SYSTEMAC BUS		9841 22 AWG, 1 Pair, RS-485		
		3105A 22 AWG, 1 Pair, RS-485		
SYSTEMAC 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™
	DeviceNet		See Protocol listings on page 4.
	DH, DH+, Remote I/O		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)			
DH-485	YR41104 Low Smoke, Halogen Free		
	YR28764 Super Thick (PLTC)		
	89463 FEP 200°C, Plenum		
	3074F 600V Tray Cable		
	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	3105A 22AWG, 1 Pair, RS-485	
		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)	
	Passport I/O – I/O Net	3105A 22 AWG, 1 Pair, RS-485	
		123105A Aluminum Armor (3105A)	
		3106A 22 AWG, 1.5 Pair, RS-485	
		123106A Aluminum Armor (3106A)	
	Power Logic	9841 24 AWG, 1 Pair, RS-485	
		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.
 Modbus is a Modicon, Inc. trademark.
 PROFIBUS is a PROFIBUS International trademark.
 PROFINET is a PROFINET International trademark.
 SDS is a Honeywell International, Inc. trademark.
 Seriplex is a Square D/Schneider AEG trademark.

Protocol Cross Reference

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

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

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