

PLC/DCS Cable Cross Reference Guide

PLC/DCS Manufacturer	System Name	Belden Part Number
ABB/Bailey Controls	FOUNDATION Fieldbus	See Protocol listings on page 8.6
	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 8.6
Allen-Bradley/Rockwell Automation	ControlNet™	See Protocol listings on page 8.6
	DeviceNet™	See Protocol listings on page 8.6
	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)
	YR41104 Low Smoke, Halogen Free	
	YR28764 Super Thick (PLTC)	
	89463 FEP 200°C, Plenum	
	DH-485	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 8.6
	Longline Communications	8723 Interface Cable
		88723 Plenum Version
	Cutler-Hammer/Westinghouse	IMPACC System
I/O System		9463 Blue Hose (Standard)
Emerson Process Management (Fisher/Rosemont Systems) — Delta V	DeviceNet	See Protocol listings on page 8.6
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 8.6
	HART	See Protocol listings on page 8.6
	Industrial Ethernet	See Protocol listings on page 8.6
	Modbus	See Protocol listings on page 8.6
	Profibus DP	See Protocol listings on page 8.6
	Provox Plus	3091A RG-11 Quad Shield PVC
		3131A RG-6 Quad Shield PVC
	RS-485	See Protocol listings on page 8.6
	GE Fanuc — I/O Bus	DeviceNet
Genius 9030, 9070 PAC System		YR29841 PLTC Version
		9182 Communications Bus
89182 Plenum Version		
Interbus®-S		See Protocol listings on page 8.6
Modbus®		See Protocol listings on page 8.6
Profibus		See Protocol listings on page 8.6

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GE Fanuc — Sensor Device Networks	DeviceNet	See Protocol listings on page 8.6
	SDS	See Protocol listings on page 8.6
Honeywell	Access 4000 System	9248 RG-6 PVC
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 8.6
	IPC 620 System I/O	9271 Twinax, 25 AWG, 124 Ohm
	IPC 620 System	9729 Up to 4,000 ft.
	Serial Interface	9182 Up to 10,000 ft.
		89182 Plenum
	Series C	RS-485 Foundation Fieldbus Industrial Ethernet
		3000 UCN & LCN
	3094A RG-11 Quad Shield PVC	
	Honeywell Microswitch Division	Smart Distributed System
FOUNDATION Fieldbus (Type SP50 ISA/IEC)		See Protocol listings on page 8.6
Invensys/Foxboro	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 8.6
	Limitorque	DCC100
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	

FEP = Fluorinated Ethylene-propylene

PLC/DCS Cable Cross Reference Guide (continued)

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Mitsubishi Electric Automation	CC-Link	See Protocol listings on page 8.6		
	DeviceNet	See Protocol listings on page 8.6		
	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 8.6		
	Profibus DP	See Protocol listings on page 8.6		
	Serial Communications	8777 Control and Instrumentation Interconnect Cable		
Modicon/Schneider AEG	Industrial Ethernet	See Protocol listings on page 8.6		
	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)	
	Modbus Plus	133092A	Steel Armor (3092A)	
		YM29560	24 AWG, 1-Pair, RS-485	
		YC39000	Aluminum Armor (YM29560)	
		YC39222	Steel Armor (YM29560)	
	Remote I/O	YQ29258	24 AWG, 1-Pair, 150°C, Plenum	
		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 8.6	
		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

PLC/DCS Manufacturer	System Name	Belden Part Number
Omron (continued)	Controller Link	9207 Twinax
		89207 Twinax, 200°C, Plenum
		9815 Twinax, 100 Ohm, Direct Burial
		3073F 600V Tray Cable, Twinax
		3073F 600V Tray Cable, Twinax
	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
Industrial Ethernet		See Protocol listings on page 8.6
Interbus®-S		See Protocol listings on page 8.6
Profibus DP FMS & PA		See Protocol listings on page 8.6
Reliance/A-B	Auto Max Distributed Power	M98021 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	
Rotork Siemens/Moore	Pakscan II E RS-485	3105A 22 AWG, 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 8.6
	Hiway	9860 Network Trunk Cable
	Industrial Ethernet	See Protocol listings on page 8.6
	MODULNET	3094A RG-11 Quad Shield PVC
3131A RG-6 Quad Shield PVC		
Profibus DP & FMS (Purple)	See Protocol listings on page 8.6	
Profibus PA (Blue)	See Protocol listings on page 8.6	
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	
Thinnet Ethernet Trunk	9907 Thin Network Trunk Cable	

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PLC/DCS Cable Cross Reference Guide *(continued)*

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Smar	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 8.6	
	Industrial Ethernet	See Protocol listings on page 8.6	
	Profibus DP FMS & PA	See Protocol listings on page 8.6	
	RS-485	See Protocol listings on page 8.6	
Square D/ Schneider AEG	FIP/Fieldbus	3079A 22 AWG, 1-Pair, Shielded	
		123079A Aluminum Armor (3079A)	
	Industrial Ethernet	See Protocol listings on page 8.6	
	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)
	Power Logic	3106A 22 AWG, 1.5-Pair, RS-485	
		123106A Aluminum Armor (3106A)	
		9841 24 AWG, 1-Pair, RS-485	
Square D/ Schneider AEG	Seriplex®	9842 24 AWG, 2-Pair, RS-485	
		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/DCS Manufacturer	System Name	Belden Part Number
Yokogawa — CENTUM	DeviceNet™	See Protocol listings on page 8.6
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 8.6
	HART	See Protocol listings on page 8.6
	Industrial Ethernet	See Protocol listings on page 8.6
	Profibus	See Protocol listings on page 8.6
Yokogawa — FA-M3	RS-485	See Protocol listings on page 8.6
	DeviceNet	See Protocol listings on page 8.6
	Industrial Ethernet	See Protocol listings on page 8.6
	Modbus	See Protocol listings on page 8.6
	Profibus	See Protocol listings on page 8.6
Yokogawa — STARDOM	RS-485	See Protocol listings on page 8.6
	DeviceNet	See Protocol listings on page 8.6
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 8.6
	HART	See Protocol listings on page 8.6
	Industrial Ethernet	See Protocol listings on page 8.6
Westinghouse	Profibus	See Protocol listings on page 8.6
	RS-485	See Protocol listings on page 8.6
	WDPF	9292 RG-11 PVC

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ControlNet is a ControlNet International, Ltd. trademark.

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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InterBus is a Phoenix Contact trademark.

Modbus is a Modicon, Inc. trademark.

PROFIBUS is a PROFIBUS International trademark.

PROFINET is a PROFIBUS International trademark.

SDS is a Honeywell International, Inc. trademark.

Seriplex is a Square D/Schneider AEG trademark.

Industrial Communications Protocol Cross Reference

System Name	Belden Part Number
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	YR47198 20 AWG/3c, Foil + Braid Shield
	YR47205 20 AWG/3c Shielded + 18 AWG/2c Power
ControlNet™	3092A RG-6 PVC Quad Shield
	3092F RG-6 PVC Quad Shield, Flex Version, Aluminum Braid
	YR28890 RG-6 PVC Quad Shield, Flex Version, Copper Braid
	3093A RG-6 FEP Quad Shield, Plenum
	123092A Aluminum Armor (3092A)
	133092A Steel Armor (3092A)
	183092A Continuous Armor (3092A)
DataHighway (DH) & DataHighway Plus (DH+) Remote I/O	9463 20 AWG Twinax, Blue Hose
	3072F 600V, TC Blue Hose
	9463DB Direct Burial Blue Hose
	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)
	FOUNDATION Fieldbus (Type SP50 ISA/IEC)
3077F Type B, H1 1200m (31.25K)	
HSE Copper & Fiber (see <i>Cables for Industrial Ethernet</i> , pg. 18.6)	
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
	7918A Cat 5e, 4-Pair
	7924A Cat 5e, 4-Pair, Bonded, Flexible
	7930A Cat 5e, 4-Pair, Flexible
	7922A Cat 5e, 4-Pair, Bonded, PLTC
	7934A Cat 5e, 4-Pair, Bonded, Burial

System Name	Belden Part Number	
Industrial Ethernet (continued)	11700A Cat 5e, 4-Pair, Bonded, Upjacketed	
	11700A2 Cat 5e, 4-Pair, Bonded, Upjacketed, Oil Res II	
	121700A Cat 5e, 4-Pair, Bonded, Armored	
	7919A Cat 5e, 4-Pair, Shielded	
	7921A Cat 5e, 4-Pair, Bonded, Shielded (Foil + Braid)	
	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 AWG/3c, 24 AWG/3-Pair, Composite
		3120A 24 AWG/3-Pair
	IronWorks®	8471 16 AWG, 1-Pair, UL AWM 2598
		8917 16 AWG, 1-Cond, UL AWM 1015
85102 16 AWG, 2-Cond, VW1, Plenum		
Modbus	8777 22 AWG, 3-Pair, Modem Drop Cable	
	128777 Aluminum Armor (8777)	
	138777 Steel Armor (8777)	
	88777 FEP 200°C, Plenum (8777)	
Profibus DP & FMS (Purple)	3079A 22 AWG 300V Twinax	
	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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