

## PLC/DCS Cable Cross Reference Guide

PLC/DCS Manufacturer	System Name	Belden Part No.		
ABB/ Bailey Controls	Infinet	9880	Network Trunk Cable	
		9463	Blue Hose® (Standard)	
		9463LS	Steel Wire Armor 9463	
		9463NH	Low Smoke, Halogen-Free 9463	
	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	
		9860LS	Steel Wire Armor 9860	
		9860NH	Low Smoke, Halogen-Free 9860	
	Modcell	3105A	1 Pair, RS-485	
Allen-Bradley/ Rockwell Automation	ControlNet™	See Protocol listings on page 2		
	DeviceNet™	See Protocol listings on page 2		
	DH	9463	Blue Hose® (Standard)	
		9463LS	Steel Wire Armor 9463	
		9463NH	Low Smoke, Halogen-Free 9463	
		9463F	Flexible Version (9463)	
		129463	Aluminum Armor (9463)	
		139463	Steel Armor (9463)	
		189463	Cast Aluminum (9463)	
		YR28826	Dual Version (9463)	
9463DB		Direct Burial (9463)		
YR29565	Various Color Jackets (9463)			
3072F	600V TC Rated (9463)			
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, NH, LS		
	9842LS	Steel Wire Armor 9842		
	9842NH	Low Smoke, Halogen-Free 9842		
YM39500	Flexible Version (3106A)			
Longline Communications	8723	Interface Cable		
	88723	Plenum Version		
Cutler-Hammer/ Westinghouse	IMPACC System	YR29090	Proprietary Trunk Cable	
	I/Q System	9463	Blue Hose® (Standard)	
		9463LS	Steel Wire Armor 9463	
	9463NH	Low Smoke, Halogen-Free 9463		
Emerson Process Management (Fisher/Rose- mount Controls)	Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 2		
	Hart	See Protocol listings on page 2		
	Provox Plus	3094A	RG-11 Quad Shield PVC	
		3131A	RG-6 Quad Shield PVC	
GE Fanuc	Genius I/O System	YR29841	PLTC Version	
		9182	Communications Bus	
		89182	Plenum Version	
Honeywell	Access 4000 System	9248	RG-6 PVC	
	Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 2		
	IPC 620 System	I/O Serial Interface	9271	Twinax, 25 AWG, 124 Ohm
			9729	Up to 4,000 ft.
			9182	up to 10,000 ft.
		89182	Plenum	
	3000 UCN & LCN	3131A	RG-6 Quad Shield PVC	
		9094A	RG-11 Quad Shield PVC	
Honeywell Micro- switch Division	Smart Distributed System	3086A	Mini	
		3087A	Micro	
Invensys/Foxboro	Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on page 2		
	I/A Series	Carrier Band	8233	Small Trunk
			3095A	Plenum
			9290	Drop Cable
		Fieldbus	9207	Twinax
			9207NH	Low Smoke, Halogen-Free 9207
	89207		200°C, Plenum	
		3073F	600V Tray Cable	
	Node Bus	9880	Trunk Cable	
		89880	Plenum Version	
Limitorque	DCC 100	3105A	Actuator Bus Cable, 1 Pair, RS-485	
Matsushita	FP Series	C-NET	9207	Twinax, 20 AWG, Stranded, 100 Ohm
			9207NH	Low Smoke, Halogen-Free 9207
			9860	Twinax, 16 AWG, Solid, 124 Ohm
			9860LS	Steel Wire Armor 9860
			9860NH	Low Smoke, Halogen-Free 9860
		MEWNET-F	9207	Twinax, 20 AWG, Stranded, 100 Ohm
	9207NH		Low Smoke, Halogen-Free 9207	
	9860		Twinax, 16 AWG, Solid, 124 Ohm	
	9860LS		Steel Wire Armor 9860	
	9860NH		Low Smoke, Halogen-Free 9860	
	MEWNET-H	9248	RG-6, 75 Ohm, 18 AWG	

PLC/DCS Manufacturer	System Name	Belden Part No.		
Matsushita <i>(continued)</i>	FP Series	MEWNET-TR	9207	Twinax, 20 AWG, Stranded, 100 Ohm
			9207NH	Low Smoke, Halogen-Free 9207
			9860	Twinax, 16 AWG, Solid, 124 Ohm
			9860LS	Steel Wire Armor 9860
			9860NH	Low Smoke, Halogen-Free 9860
		MEWNET-W	9207	Twinax, 20 AWG, Stranded, 100 Ohm
	9207NH		Low Smoke, Halogen-Free 9207	
	9806		4 Pair, RS-232, RS-422	
		MEWNET-W2	9207	Twinax, 20 AWG, Stranded, 100 Ohm
	9207NH		Low Smoke, Halogen-Free 9207	
9860	Twinax, 16 AWG, Solid, 124 Ohm			
9860LS	Steel Wire Armor 9860			
9860NH	Low Smoke, Halogen-Free 9860			
	TRNET	9207	Twinax, 20 AWG, Stranded, 100 Ohm	
9207NH		Low Smoke, Halogen-Free 9207		
9860		Twinax, 16 AWG, Solid, 124 Ohm		
9860LS		Steel Wire Armor 9860		
9860NH		Low Smoke, Halogen-Free 9860		
Mitsubishi	DeviceNet™	See Protocol listings on page 2		
	CC-Link	YR47205	Three-Conductor	
		YR47198	Three-Conductor + Power	
	Melsecnet (II) 10/10H	1505A	Precision RG-59/U Coax	
		1505F	High Flex 1505A	
		1506A	Plenum Precision Rg-59/U,	
		8241	Outdoor, Direct Burial	
			8241F	Standard RG-59/U Coax
				High Flex 8241F
	Profibus DP & FMS	See Protocol listings on page 2		
Serial Communications	8777	Control and Instrumentation		
	8777LS	Interconnect Cable		
	8777NH	Steel Wire Armor 8777		
			Low Smoke, Halogen-Free 8777	
Modicon/ Schneider AEG	Modbus	8777	Modem Drop Cable, 22 AWG, 3 Pair	
		8777LS	Steel Wire Armor 8777	
		8777NH	Low Smoke, Halogen-Free 8777	
		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	AS Interface	See Protocol listings on page 2		
	CompoBus/D (DeviceNet)	See DeviceNet Protocol listings on page 2		
	CompoBus/S	9409	1 Pair, 18 AWG, 300V PLTC Control	
		9318	1 Pair, 18 AWG, 300V PLTC Control,	
			Shielded	
		3073F	600V Twinax Tray Cable	
		3076ENH	Fieldbus, Low Smoke, Halogen-Free	
		89740	1 Pair, 18 AWG, 300V Control	
Controller Link	9207	Twinax		
	9207NH	Low Smoke, Halogen-Free 9207		
	89207	Twinax, 200°C, Plenum		
	9815	100 Ohm Twinax, Direct Burial		
	3073F	600V Twinax Tray Cable		
SYSBUS-2	3073F	600V Tray Cable Twinax		
	SYSMAC BUS	9841	24 AWG, 1 Pair, RS-485	
		9841LS	Steel Wire Armor 9841	
9841NH		Low Smoke, Halogen-Free 9841		
		3105A	22 AWG, 1 Pair, RS-485	
SYSMAC LINK	9231	Coax		
Phoenix Contact	DeviceNet™	See Protocol listings on page 2		
	Interbus®-S	See Protocol listings on page 2		
	Profibus DP FMS & PA	See Protocol listings on page 2		



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

PLC/DCS 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	
Rotork	Pakscan II E RS-485	3105A 22 AWG, 1 Pair, 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	
	Hiway	9860 Network Trunk Cable 9860LS Steel Wire Armor 9860 9860NH Low Smoke, Halogen-Free 9860	
	MODULNET	3094A RG-11 Quad Shield PVC 3131A RG-6 Quad Shield PVC	
	Profibus DP & FMS (Purple)	See Protocol listings on this page	
	Profibus PA (Blue)	See Protocol listings on this page	
	SINEC Series	H1	9907 Thin Network Trunk Cable 9880 Network Trunk Cable
		H2B	3131A RG-6 Quad Shield 3094A RG-11 Quad Shield
		L1	31071A 2 Pair, RS-485
		L2	3079A 300V Twinax 3079ALS Steel Wire Armor 3079A 3079ANH Low Smoke, Halogen-Free 3079A 3079E Stranded Conductor 3079A
	Thicknet Ethernet Trunk	9880 Network Trunk Cable 129880 Aluminum Interlocked Armor Trunk 139880 Steel Interlocked Armor Trunk See Protocol listings on this page	
Thinnet Ethernet Trunk	9907 Thin Network Trunk Cable See Protocol listings on this page		
Smr	Fieldbus (Type SP50 ISA/IEC)	See Protocol listings on this page	
	Profibus DP, FMS & PA	See Protocol listings on this page	
	RS-485	See Protocol listings on this page	

PLC/DCS Manufacturer	System Name	Belden Part No.
Square D/ Schneider AEG	FIP/Fieldbus	3079A 22 AWG, 1 Pair, Shielded 3079ALS Steel Wire Armor 3079A 3079ANH Low Smoke, Halogen-Free 3079A 3079E Stranded Conductor 3079A 123079A Aluminum Armor (3079A)
	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 9841LS Steel Wire Armor 9841 9841NH Low Smoke, Halogen-Free 9841 9842 24 AWG, 2 Pair, RS-485 9842LS Steel Wire Armor 9842 9842NH Low Smoke, Halogen-Free 9842
	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)
	SY/Net Network Trunk Cable	9463 Blue Hose® (Standard) 9463F Flexible Version (9463) 129463 Aluminum Armor (9463) 139463 Steel Armor (9463) 189463 Cast Aluminum (9463) YR28826 Dual Version (9463) 9463DB Direct Burial (9463) YR29565 Various Color Jackets (9463) 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
	Yokogawa	Fieldbus (Type SP50 ISA/IEC) See Protocol listings on this page
	Westinghouse	WDPF 9292 RG-11 PVC

**Industrial Communications Protocol**

System Name	Belden Part No.
AS Interface	3999A Yellow Bus Cable
ControlNet™	3092A RG-6 PVC Quad Shield 3092F RG-6 PVC Quad Shield, Flex Version, Aluminum Braid YR28890 RG-6 PVC Flex Version, Copper Braid 3093A RG-6 FEP* Quad Shield, Plenum 123092A Aluminum Armor (3092A) 133092A Steel Armor (3092A)
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)
Ethernet – Fiber Optic	See Industrial Ethernet Fiber Optic Cable Selection Guide on page 3
Ethernet – Thicknet	9880 10 Base 5 Network Trunk Cable 89880 Plenum 9880
Ethernet – Thinnet	9907 10 Base 2 Network Trunk Cable 89907 Plenum 9907
Ethernet – Twisted Pair	See DataTuff® Industrial Ethernet Cable Selection Guide on page 3
Fieldbus (Type SP50 ISA/IEC)	3076F Type A, H1 1900 m (31.25K) 3076ELS Steel Wire Armor 3076F 3076ENH Low Smoke, Halogen-Free 3076F 3077F Type B, H1 1200 m (31.25K) 3077ELS Steel Wire Armor 3077F

\* Fluorinated Ethylene-propylene

System Name	Belden Part No.
Fieldbus (Type SP50 ISA/IEC) (continued)	3077ENH Low Smoke, Halogen-Free 3077F 3078F High-Speed (1.0 + 2.5 mbits/s) HSE Copper & Fiber (See Cables for Industrial Ethernet)
Hart	3105A 1 Pair, RS-485 3106A 1.5 Pair, RS-485 3107A 2 Pair, RS-485
Interbus®-S	3119A 18/3C, 24/3 Pair, Composite 3120A 24/3 Pair
Profibus DP & FMS (Purple)	3079A 300V Twinax 3079ALS Steel Wire Armor 3079A 3079ANH Low Smoke, Halogen-Free 3079A 3079E Stranded Conductor 3079A
Profibus PA (Blue)	3076F 18 AWG, 2 Conductors, Type A 3076ELS Steel Wire Armor 3076F 3076ENH Low Smoke, Halogen-Free 3076F
RS-485	9841 1 Pair 9841LS Steel Wire Armor 9841 9841NH Low Smoke, Halogen-Free 9841 82841 1 Pair, Plenum 98841 1 Pair, Plenum, High-Temperature 9842 2 Pair 9842LS Steel Wire Armor 9842 9842NH Low Smoke, Halogen-Free 9842 82842 2 Pair, Plenum 9843 3 Pair 9843NH Low Smoke, Halogen-Free 9843 9844 4 Pair 3105A 1 Pair (PLTC) 3106A 1.5 Pair (PLTC) 3107A 2 Pair (PLTC) 3108A 3 Pair (PLTC) 3109A 4 Pair (PLTC)

ControlNet™ is a ControlNet International trademark.  
DeviceNet™ is an Open DeviceNet Vendor Association, Inc. trademark.  
Interbus® is a Phoenix Contact trademark.  
Seriplex® is a Square D/Schneider AEG registered trademark.



## DataTuff® Industrial Ethernet Cable Selection Guide

Part No.	Category	Shielding		Conductor		Installation Stress Resistance***	Environmental Issues				Industrial Grade Jacket		
		Unshielded	Shielded*	Solid	Stranded**		Oil Resistance	UV Sunlight Resistance	Gasoline Resistance	HI/LO Temp	Heavy	Upjacket	Amored
7923A	Cat. 5e	X		X		X	X	X			X		
7929A	Cat. 5e		X	X		X	X	X			X		
7921A	Cat. 5e		X	X		X	X	X			X		
11700A	Cat. 5e	X		X		X	X	X				X	
11700A2	Cat. 5e	X		X		X	X	X				X	
121700A	Cat. 5e	X		X		X	X	X					X
7924A	Cat. 5e	X			X	X	X	X			X		
7928A	Cat. 5e	X		X		X	X	X	X	X	X		
7918A	Cat. 5e	X		X			X	X			X		
7919A	Cat. 5e		X	X			X	X			X		
7927A	Cat. 6	X		X		X	X	X			X		
7931A	Cat. 6	X		X		X	X	X	X	X	X		
11872A	Cat. 6	X		X		X						X	
121872A	Cat. 6	X		X		X		X					X

\* Shielded products are recommended for high noise environments.

\*\* Stranded products are recommended where more flexibility is needed.

\*\*\* Products with bonded-pair technology that provides Installable Performance® advantages – refer to Belden Bonded-Pair Cable Bulletin #BP02.

This chart is meant to help the select the right cable. Refer to cable specifications for details. See [www.belden.com](http://www.belden.com) for fibre optic cable recommendations and technical data sheets.

## Industrial Ethernet Fiber Optic Cable Selection Guide

Part No.	Jacket Material	No. of Fibers	Description	Outer Diameter	
				Inches	mm

### Riser (NEC/CEC OFNR FT4)

Fiber (62.5/125/250) Micron, Multimode					
I100255	PVC	2	Indoor/Outdoor	0.469	11.91
I100266	CPE	2	Indoor/Outdoor	0.469	11.91
I100455	PVC	4	Indoor/Outdoor	0.469	11.91
I100466	CPE	4	Indoor/Outdoor	0.469	11.91
I100655	PVC	6	Indoor/Outdoor	0.469	11.91
I100666	CPE	6	Indoor/Outdoor	0.469	11.91
I400855	PVC	8	Indoor/Outdoor	0.572	14.53
I400866	CPE	8	Indoor/Outdoor	0.572	14.53
I601055	PVC	10	Indoor/Outdoor	0.572	14.53
I601255	PVC	12	Indoor/Outdoor	0.572	14.53
I601266	CPE	12	Indoor/Outdoor	0.572	14.53

### Tray (NEC/CEC OFN FT1)

Fiber (62.5/125/250) Micron, Multimode					
I601855	PVC	18	Indoor/Outdoor	0.572	14.53
I601866	CPE	18	Indoor/Outdoor	0.572	14.53
I602455	PVC	24	Indoor/Outdoor	0.572	14.53
I602466	CPE	24	Indoor/Outdoor	0.572	14.53

Part No.	Jacket Material	No. of Fibers	Description	Outer Diameter	
				Inches	mm

### Fiber (9/125) Micron, Singlemode, OS1 Central Loose Tube, Steel Wire Armor, Improved Rodent Protection

GOWA904	PE	4	Outdoor, T12	0.421	10.7
GOWA908	PE	8	Outdoor, T12	0.421	10.7
GOWA912	PE	12	Outdoor, T12	0.421	10.7
GUWA908	FRNC	8	Universal, T12	0.421	10.7
GUWA912	FRNC	12	Universal, T12	0.421	10.7
GUWB924	FRNC	24	Universal, T24	0.543	13.8
GOWB924	FRNC	24	Outdoor, T24	0.543	13.8

### Fiber (50/125) Micron, Multimode, OM2 Central Loose Tube, Steel Wire Armor, Improved Rodent Protection

GOWA204	PE	4	Outdoor, T12	0.421	10.7
GOWA206	PE	6	Outdoor, T12	0.421	10.7
GOWA212	PE	12	Outdoor, T12	0.421	10.7
GUWA204	FRNC	4	Universal, T12	0.421	10.7
GUWA208	FRNC	8	Universal, T12	0.421	10.7
GUWA212	FRNC	12	Universal, T12	0.421	10.7

### Fiber (62.5/125) Micron, Multimode, OM1 Central Loose Tube, Steel Wire Armor, Improved Rodent Protection

GOWA106	PE	6	Outdoor, T12	0.421	10.7
GOWA112	PE	12	Outdoor, T12	0.421	10.7
GUWA104	FRNC	4	Universal, T12	0.421	10.7
GUWA108	FRNC	8	Universal, T12	0.421	10.7
GUWA112	FRNC	12	Universal, T12	0.421	10.7
GUWB124	FRNC	24	Universal, T24	0.543	13.8

