

DataTuff® Industrial Ethernet Cable Selection Guide

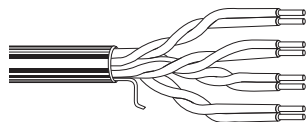
This table is meant to help you select the proper cable.

Part No.	Conductor		Installation		Environmental										Industrial Grade Jacket		
	Solid	Stranded	Installation Stress Resistance*	Pull Tension	Oil Res.	UV Sun Res.	Weld-splatter Res.	CMX-Outdoor	Direct Burial	Gas Res.	LSZH	MSHA	Hi/Low Temp.	600V AWM	Heavy	Upjacket	Armored
Category 6 Shielded Cable																	
7953A <i>EtherNet/IP</i>	•		•	40	•	•		•						•		•	
Category 6 Unshielded Cable																	
7940A <i>EtherNet/IP</i>	•		•	40	•	•		•							•		
7927A	•		•	45	•	•									•		
11872A	•		•	45												•	
121872A	•		•	200		•											•
7931A	•		•	40	•	•				•			•		•		
Category 5e Shielded Cable																	
7929A	•		•	40	•	•		•				•			•		
7958A <i>EtherNet/IP</i>	•		•	35	•	•								•	•		
7919A	•			25	•	•		•				•			•		
7939A		•	•	40	•	•									•		
7921A <i>EtherNet/IP</i>	•		•	75	•	•		•							•		
7957A <i>EtherNet/IP</i>	•		•	75	•	•		•						•	•		
7937A	•		•	40	•	•			•							•	
7936A	•		•	40		•					•	•			•		
7938A High Flex		•	•	40	•	•	•									•	
Category 5e Unshielded Cable																	
7923A <i>EtherNet/IP</i>	•		•	40	•	•		•				•			•		
7922A PLTC	•		•	40	•	•		•							•		
7918A	•			35	•	•		•				•			•		
11700A <i>EtherNet/IP</i>	•		•	40	•	•		•				•				•	
11700A2 Oil Res. I/II	•		•	40	•	•										•	
121700A	•		•	40	•	•											•
121700R	•		•	40	•	•											•
7924A		•	•	40	•	•		•							•		
7930A				25	•	•		•							•		
7934A <i>EtherNet/IP</i>	•		•	40	•	•			•						•		
7935A <i>EtherNet/IP</i>	•		•	40		•					•				•		
7928A <i>EtherNet/IP</i>	•		•	40	•	•		•		•			•		•		
2-Pair Category 5e Shielded Cable																	
7933A <i>EtherNet/IP</i>	•		•	20	•	•									•		
2-Pair Category 5e Unshielded Cable																	
7932A <i>EtherNet/IP</i>	•		•	20	•	•									•		

*Products with Bonded-Pair™ technology provide Installable Performance® advantages; refer to Belden's Bonded-Pair Cable Bulletin BP02.

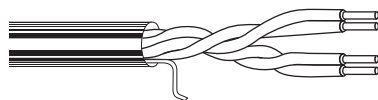
Industrial Data Solutions® — Industrial Ethernet

Category 5e DataTuff® Cables

Category 5e • Unshielded • 4 Pair

- Compatible with Belden Metal Body RJ45 Plugs R301601 and R301602

Part No.	AWG	Nominal OD		Jacket Thickness		Operating Temperature (°C)	Additional Features/Ratings
		Inch	mm	Inch	mm		
Solid BC Conductors • Polyolefin Insulation • Polyethylene Jacket							
7934A	24	.230	5.84	.030	.76	-40 to +75	Waterblocked Burial Halogen Free EtherNet/IP Compliant Sunlight and Oil Resistant Bonded Pairs
Solid BC Conductors • Polyolefin Insulation • LSZH Jacket							
7935A	24	.230	5.84	.030	.76	-40 to +75	Low Smoke, Halogen Free EtherNet/IP Compliant NEC: CM • CEC: CM FT1 Sunlight Resistant Bonded Pairs
Solid BC Conductors • FEP Insulation • FEP Insulation							
7928A	24	.187	4.75	.030	.76	-70 to +150	High and Low Temp EtherNet/IP Compliant NEC: CMP • CEC: CMP FT6 Oil Res I/II • Gas Res Sunlight and Oil Resistant Bonded Pairs

Category 5e • Unshielded and Shielded • 2 Pair

- Compatible with M12 Connectors
- Bonded Pairs

Part No.	AWG	Nominal OD		Jacket Thickness		Operating Temperature (°C)	Additional Features/Ratings
		Inch	mm	Inch	mm		
Solid BC Conductors • Polyolefin Insulation • Overall Beldfoil® Shielding • PVC Jacket							
7933A	24	.227	5.77	.030	.76	-40 to +75	Shielded EtherNet/IP Compliant NEC: CMR • CEC: CMR FT4 Sunlight and Oil Resistant Bonded Pairs
Solid BC Conductors • Polyolefin Insulation • PVC Jacket							
7932A	24	.207	5.26	.030	.76	-40 to +75	EtherNet/IP Compliant NEC: CMR • CEC: CMR FT4 Sunlight and Oil Resistant Bonded Pairs

Conductor Color Codes: Pair 1: White/Orange Stripe & Orange • Pair 2: White/Green Stripe & Green

All reels of Bonded Pair cable come with bonded pair separator tool (part no. 1797B)

EtherNet/IP is a trademark of ODVA. To learn more visit <http://www.belden.com/products/industrialcable/ethernet-ip.cfm>

BC = Bare Copper • TC = Tinned Copper • FEP = Fluorinated Ethylene Propylene • LSZH = Low Smoke Zero Halogen • PVC = Polyvinyl Chloride