

Be Certain with Belden



Industrial Ethernet 4-Pair Double-Ended Cordsets, 600V AWM

High-Flex, Belden Bonded Twisted Pair, Stranded/Shielded, 24 AWG, TPE Jacket

Type	0985 856 103	0985 856 104	0985 856 500																																																																																	
Configuration	M12 to RJ45	M12 (receptacle) to RJ45 to RJ45	RJ45 to RJ45																																																																																	
Product Description	Industrial Ethernet double-ended cordset, high-flex, male, M12 to RJ45 straight, 4-pair, 24 AWG, TPE cable, stranded/shielded with teal jacket.	Industrial Ethernet, double-ended cordset, high-flex, M12 female receptacle to RJ45 male, 4-pair, 24 AWG, TPE cable, stranded/shielded, with teal jacket.	Industrial Ethernet double-ended cordset, high-flex, male, RJ45 to RJ45 straight, 4-pair, 24 AWG, TPE cable, stranded/shielded with teal jacket.																																																																																	
Category Rating	Cat5e																																																																																			
Technical Illustration																																																																																				
Wiring diagram	<table><thead><tr><th>M12</th><th>Color</th><th>RJ45</th></tr></thead><tbody><tr><td>6</td><td>White/Orange</td><td>1</td></tr><tr><td>4</td><td>Orange</td><td>2</td></tr><tr><td>1</td><td>White/Blue</td><td>5</td></tr><tr><td>7</td><td>Blue</td><td>4</td></tr><tr><td>5</td><td>White/Green</td><td>3</td></tr><tr><td>8</td><td>Green</td><td>6</td></tr><tr><td>2</td><td>White/Brown</td><td>7</td></tr><tr><td>3</td><td>Brown</td><td>8</td></tr></tbody></table> Nut — Shield — Shell	M12	Color	RJ45	6	White/Orange	1	4	Orange	2	1	White/Blue	5	7	Blue	4	5	White/Green	3	8	Green	6	2	White/Brown	7	3	Brown	8	<table><thead><tr><th>M12</th><th>Color</th><th>RJ45</th></tr></thead><tbody><tr><td>6</td><td>White/Orange</td><td>1</td></tr><tr><td>4</td><td>Orange</td><td>2</td></tr><tr><td>1</td><td>White/Blue</td><td>5</td></tr><tr><td>7</td><td>Blue</td><td>4</td></tr><tr><td>5</td><td>White/Green</td><td>3</td></tr><tr><td>8</td><td>Green</td><td>6</td></tr><tr><td>2</td><td>White/Brown</td><td>7</td></tr><tr><td>3</td><td>Brown</td><td>8</td></tr></tbody></table> Nut — Shield — Shell	M12	Color	RJ45	6	White/Orange	1	4	Orange	2	1	White/Blue	5	7	Blue	4	5	White/Green	3	8	Green	6	2	White/Brown	7	3	Brown	8	<table><thead><tr><th>RJ45</th><th>Color</th><th>RJ45</th></tr></thead><tbody><tr><td>1</td><td>White/Orange</td><td>1</td></tr><tr><td>2</td><td>Orange</td><td>2</td></tr><tr><td>5</td><td>White/Blue</td><td>5</td></tr><tr><td>4</td><td>Blue</td><td>4</td></tr><tr><td>3</td><td>White/Green</td><td>3</td></tr><tr><td>6</td><td>Green</td><td>6</td></tr><tr><td>7</td><td>White/Brown</td><td>7</td></tr><tr><td>8</td><td>Brown</td><td>8</td></tr></tbody></table> Shell — Shield — Shell	RJ45	Color	RJ45	1	White/Orange	1	2	Orange	2	5	White/Blue	5	4	Blue	4	3	White/Green	3	6	Green	6	7	White/Brown	7	8	Brown	8
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Face views																																																																																				
Part number	0985 856 103/...M	0985 856 104/...M	0985 856 500/...M																																																																																	
Standard cable lengths	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M																																																																																	

Other cable lengths available on request

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Type	0985 856 103	0985 856 104	0985 856 500
Degree of protection	IP67 / IP20		IP20
Operating temperature range	-40° C(-40°F) to +75° C(+167°F)		
Mechanical			
M12			
Molded body	PUR, black		
Coupling nut	Brass, nickel plated		
Contacts	Brass, gold over nickel plated		
Insert	PUR orange		
M12 Receptacle			
Housing		Brass, nickel plated	
Insert		PUR, black	
Contacts		Brass, gold plated	
RJ45			
Housing	Pre-tinned copper alloy		
Insert	Clear polycarbonate		
Contacts	50 μ" gold in contact area over nickel plating		
Cable specifications			
Cable jacket	TPE (Oil Res II, Sunlight resistant)		
Color	Teal		
Overall diameter	7.6mm, nominal		
Conductor	24 AWG, 7 strands tinned copper		
Number of pairs	4		
Voltage rating (Cable only)	600V according to UL 20626		
Number of pins	8		
Insulation	Polyolefin		
Foil shield	Aluminum/polyester/aluminum foil, 100% coverage		
Braided shield	Tinned copper, 65% coverage		
Agency Approvals	AWM 20626, C(UL) US CMR, CSA FT4		
Cable type	Cat5e, high flex		
Characteristics			



NOTE: Vibration & Oil Resistant applies to M12 side only.



Recommended panel cut out		

The application of these products in harsh environments should always be checked before use.
 Specifications subject to alteration.