

# Be Certain with Belden



## EtherNet/IP Double-Ended Cord Sets

CAT5e, High-Flex, 2 Twisted Bonded Pair, Stranded/Unshielded, 24 AWG, TPE Jacket

Type	0985 806 100	0985 806 101	0985 806 125	0985 806 102	0985 806 127																																				
<b>Product Description</b>	EtherNet/IP, high-flex, double-ended cord set, M12 male to male straight, 4-pin, D-coding, 24 AWG TPE cable, stranded/unshielded, 2 twisted bonded pair with teal jacket.	Ethernet I/P, high-flex, double-ended cord set, M12 male to M12 male, teal TPE jacket, 4 pin, 24 AWG, stranded/unshielded cross-over cable with 2 twisted bonded pairs.	Ethernet I/P, double-ended cord set, M12 male right angle to M12 male, straight, teal TPE jacket, 4 pin, 24 AWG, stranded/unshielded cable with 2 twisted bonded pairs.	Ethernet I/P, double-ended cord set, M12 male to M12 female, straight, teal TPE jacket, 4 pin, 24 AWG, stranded/unshielded cable with 2 twisted bonded pairs.	Ethernet I/P, double-ended cord set, M12 male, right angle to M12 female, straight, teal TPE jacket, 4 pin, 24 AWG, stranded/unshielded cable with 2 twisted bonded pairs.																																				
<b>Technical Illustration</b>																																									
<b>Wiring diagram</b>	<table border="1"> <thead> <tr> <th>M12</th> <th>Color</th> <th>C1</th> <th>Color</th> <th>C2</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>White Orange</td> <td>1</td> <td>White Orange</td> <td>2</td> </tr> <tr> <td>2</td> <td>White Green</td> <td>2</td> <td>White Green</td> <td>1</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>3</td> <td>Orange</td> <td>4</td> </tr> <tr> <td>4</td> <td>Green</td> <td>4</td> <td>Green</td> <td>3</td> </tr> </tbody> </table>	M12	Color	C1	Color	C2	1	White Orange	1	White Orange	2	2	White Green	2	White Green	1	3	Orange	3	Orange	4	4	Green	4	Green	3			<table border="1"> <thead> <tr> <th>M12</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>White Orange</td> </tr> <tr> <td>2</td> <td>White Green</td> </tr> <tr> <td>3</td> <td>Orange</td> </tr> <tr> <td>4</td> <td>Green</td> </tr> </tbody> </table>	M12	Color	1	White Orange	2	White Green	3	Orange	4	Green		
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<b>Part number</b>	0985 806 100/...M	0985 806 101/...M	0985 806 125/...M	0985 806 102/...M	0985 806 127/...M																																				
<b>Standard cable lengths</b>	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 25 M / 30 M / 35 M / 40 M / 45 M / 50 M / 60 M / 70 M / 80 M	0.5 M / 1 M / 2 M / 5 M / 10 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 30 M / 35 M / 40 M / 45 M / 50 M / 60 M / 70 M / 80 M	0.5 M / 1 M / 2 M / 5 M / 10 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 30 M / 35 M / 40 M / 45 M / 50 M / 60 M / 70 M / 80 M																																				

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Type	0985 806 100	0985 806 101	0985 806 125	0985 806 102	0985 806 127
Degree of protection	IP68				
Temperature	-25C to +75C install temp. -40 to +75C operating temp.				
<b>Mechanical</b>					
<b>M12 and M12 Receptacle</b>					
Molded body	PUR, black				
Coupling nut	Brass, nickel plated				
Contacts	Brass, gold plated				
Insert	PUR, black				
<b>RJ45</b>					
Plug	Polycarbonate				
Contacts	Phosphor Bronze, gold plated				
Boot	Elastomer Polyolefin				
<b>Electrical</b>					
Current rating	4A				
Voltage rating	250V				
Performance	CAT5e, Belden bonded twisted pair cable				
<b>Cable specifications</b>					
Cable jacket	TPE				
Color	Teal				
Overall diameter	.275 "				
Conductor	24 AWG stranded tinned copper				
Temperature	Operating: -40°C to 75°C / Installation: -25°C to 75°C				
Flame test	UL: CMR / CSA: CMG				
Continuous Flex	2 million cycles @ 10X, 10 million cycles @ 20X bend radius				
<b>Characteristics</b>					



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