

# Be Certain with Belden



## PROFINET Double-Ended Cord Sets

Cat5e, High-Flex, High Noise, 22 AWG, PUR Halogen-Free Jacket

Type	0985 342 100	0985 342 104	0985 342 500																																																						
Configuration	M12 to M12	M12 to RJ45	RJ45 to RJ45																																																						
Product description	PROFINET data cable according to type C, molded on both sides with M12 male connector, D coding, stranded/shielded with green jacket.	PROFINET data cable according to type C, molded M12 male connector, D coding to RJ45 connector, stranded/shielded with green jacket.	PROFINET data cable according to type C with RJ45 to RJ45 connectors, stranded/shielded with green jacket.																																																						
Technical illustration																																																									
Wiring diagram	<table border="0"> <tr> <td>M12</td> <td>Color</td> <td>M12</td> </tr> <tr> <td>1</td> <td>Yellow</td> <td>1</td> </tr> <tr> <td>2</td> <td>White</td> <td>2</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>3</td> </tr> <tr> <td>4</td> <td>Blue</td> <td>4</td> </tr> <tr> <td>Nut</td> <td>Shield</td> <td>Nut</td> </tr> </table>	M12	Color	M12	1	Yellow	1	2	White	2	3	Orange	3	4	Blue	4	Nut	Shield	Nut	<table border="0"> <tr> <td>M12</td> <td>Color</td> <td>RJ45</td> </tr> <tr> <td>1</td> <td>Yellow</td> <td>1</td> </tr> <tr> <td>2</td> <td>White</td> <td>3</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>2</td> </tr> <tr> <td>4</td> <td>Blue</td> <td>6</td> </tr> <tr> <td>Nut</td> <td>Shield</td> <td>Shell</td> </tr> </table>	M12	Color	RJ45	1	Yellow	1	2	White	3	3	Orange	2	4	Blue	6	Nut	Shield	Shell	<table border="0"> <tr> <td>RJ45</td> <td>Color</td> <td>RJ45</td> </tr> <tr> <td>1</td> <td>Yellow</td> <td>1</td> </tr> <tr> <td>3</td> <td>White</td> <td>3</td> </tr> <tr> <td>2</td> <td>Orange</td> <td>2</td> </tr> <tr> <td>6</td> <td>Blue</td> <td>6</td> </tr> <tr> <td>Shell</td> <td>Shield</td> <td>Shell</td> </tr> </table>	RJ45	Color	RJ45	1	Yellow	1	3	White	3	2	Orange	2	6	Blue	6	Shell	Shield	Shell
M12	Color	M12																																																							
1	Yellow	1																																																							
2	White	2																																																							
3	Orange	3																																																							
4	Blue	4																																																							
Nut	Shield	Nut																																																							
M12	Color	RJ45																																																							
1	Yellow	1																																																							
2	White	3																																																							
3	Orange	2																																																							
4	Blue	6																																																							
Nut	Shield	Shell																																																							
RJ45	Color	RJ45																																																							
1	Yellow	1																																																							
3	White	3																																																							
2	Orange	2																																																							
6	Blue	6																																																							
Shell	Shield	Shell																																																							
Face views	<p>1 = TD+ yellow 2 = RD+ white 3 = TD- orange 4 = RD- blue</p>																																																								
Part number	0985 342 100/...M	0985 342 104/...M	0985 342 500/...M																																																						
Standard cable lengths	1 M / 2 M / 3 M / 4 M / 5 M / 10 M / 15 M / 20 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 25 M / 30 M / 40 M / 50 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 30 M																																																						

## PROFINET Double-Ended Cord Sets

Cat5e, High-Flex, High Noise, 22 AWG, PUR Halogen-Free Jacket

Type	0985 342 100	0985 342 104	0985 342 500
Degree of protection	IP67	IP67 / IP20	IP20
Operating temperature range	-25°C to +80°C	-20°C (-4°F) to +75°C (+167°F)	
<b>Mechanical</b>			
<b>M12</b>			
Molded body	PUR, black		
Coupling nut	Brass, nickel plated		
Contacts	Brass, gold over nickel plated		
Insert	PUR, self extinguishing		
<b>RJ45</b>			
Housing	Pre-tinned copper alloy		
Insert	Clear polycarbonate		
Contacts	50 µ" gold in contact area over nickel plating		
<b>Electrical</b>			
Current rating	4A	1.5A	
Voltage rating	250V	30VAC/42VDC	
Performance	Cat5e		
<b>Cable specifications</b>			
Cable jacket	PUR, halogen-free		
Color	Green		
Overall diameter	6.2mm, nominal		
Conductor	22 AWG, 7 stranded bare copper		
Insulation	Polyethylene foam skin		
Foil shield	Aluminum/polyester tape, 100% coverage		
Braid shield	Tinned copper, 85% coverage		
Agency approval	AWM 20236		
Cable type	High Flex, High Noise, PROFINET cable		
<b>Characteristics</b>			
		 NOTE: Vibration & Oil Resistant applies to M12 side only.	

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