

# Be Certain with Belden



## PROFINET Double-Ended Cord Sets

CAT5e, High-Flex, Stranded/Shielded, 22 AWG, TPE/PLTC Cable

Type	0985 S4742 100	0985 S4742 116	0985 S4742 117	0985 S4742 104	0985 S4742 502																																										
<b>Product Description</b>	PROFINET data cable according to type C, molded on both sides with M12 male connector, D coding, stranded/shielded, 22 AWG with green jacket.	PROFINET data cable according to type C, molded on both sides with M12 male to M12 female connector, D coding, stranded/shielded, 22 AWG with green jacket.	PROFINET data cable according to type C, molded on both sides with M12 female to M12 female connector, D coding, stranded/shielded, 22 AWG with green jacket.	PROFINET data cable according to type C, molded on both sides with M12 male to RJ45 male connector, D coding, stranded/shielded, 22 AWG with green jacket.	PROFINET data cable according to type C, molded on both sides with RJ45 to RJ45 male connector, D coding, stranded/shielded, 22 AWG with green jacket.																																										
<b>Technical Illustration</b>																																															
<b>Wiring diagram</b>	<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>RJ45</td> <td>Color</td> <td>M12</td> <td>RJ45</td> </tr> <tr> <td>1</td> <td>Yellow</td> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>White</td> <td>2</td> <td>2</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>3</td> <td>3</td> </tr> <tr> <td>6</td> <td>Blue</td> <td>4</td> <td>6</td> </tr> <tr> <td>Case</td> <td>Shield</td> <td>Nut</td> <td>Case</td> </tr> </table>		RJ45	Color	M12	RJ45	1	Yellow	1	1	2	White	2	2	3	Orange	3	3	6	Blue	4	6	Case	Shield	Nut	Case
M12	Color	M12																																													
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<b>Face views</b>																																															
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	0985 S4742 100/...M	0985 S4742 116/...M	0985 S4742 117/...M	0985 S4742 104/...M	0985 S4742 502/...M																																										
<b>Standard cable lengths</b>	1 M / 2 M / 3 M / 4 M / 5 M / 10 M / 15 M / 20 M	2 M / 3 M	0.5 M / 5 M	2 M / 5 M / 8 M / 9 M / 10 M / 12 M / 15 M / 20 M / 25 M / 30 M	0.5 M / 2 M / 5 M / 10 M / 20 M																																										

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Type	0985 S4742 100	0985 S4742 116	0985 S4742 117	0985 S4742 104	0985 S4742 502
Degree of protection	IP68			IP68 / IP20	IP20
Temperature	-40°C to 80°C			-40°C to 70°C	
<b>Mechanical</b>					
<b>M12 and M12 Receptacle</b>					
Molded body	PUR, black				
Coupling nut	Brass, nickel plated				
Contacts	Brass, gold over nickel plated				
Insert	PUR, black				
<b>RJ45</b>					
Plastic housing	Polyamid, black				
<b>Cable specifications</b>					
Cable jacket	TPE				
Color	Green				
Conductor	22 AWG stranded tinned copper				
Foil shield	Aluminum/Polyester				
Braided shield	100% coverage, tinned copper, 85% coverage				
Approvals	(UL) PLTC				
<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.