

EtherNet/IP Double-Ended Cord Sets

CAT5e, High-Flex, Stranded/Unshielded, 24 AWG, TPE Jacket

Type	0985 706 100	0985 706 101	0985 706 103	0985 706 104	0985 706 500																																																															
Product Description	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 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 pairs.	Ethernet I/P, high-flex, double-ended cord set, M12 male to RJ45 male, 4 pin, D-coded, 24 AWG, teal TPE jacket, stranded/unshielded cable with 2 twisted pairs.	EtherNet/IP, high-flex, double-ended cord set, M12 female 4 pin, D-coded receptacle to male RJ45, 24 AWG, teal TPE jacket, stranded/unshielded with 2 twisted pairs.	Ethernet I/P, high-flex, double-ended cord set, RJ45 male to RJ45 male, 24 AWG, teal TPE jacket, stranded/unshielded cable with 2 twisted pairs.																																																															
Technical Illustration																																																																				
Wiring diagram	<p>M12 to M12</p> <table border="0"> <tr> <td>M12</td> <td>Color</td> <td>M12</td> </tr> <tr> <td>1</td> <td>White/Orange</td> <td>1</td> </tr> <tr> <td>2</td> <td>White/Green</td> <td>2</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>3</td> </tr> <tr> <td>4</td> <td>Green</td> <td>4</td> </tr> </table>	M12	Color	M12	1	White/Orange	1	2	White/Green	2	3	Orange	3	4	Green	4	<p>M12 to M12 Crossover Wiring</p> <table border="0"> <tr> <td>1</td> <td>White/Orange</td> <td>2</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>4</td> </tr> <tr> <td>2</td> <td>White/Green</td> <td>1</td> </tr> <tr> <td>4</td> <td>Green</td> <td>3</td> </tr> </table>	1	White/Orange	2	3	Orange	4	2	White/Green	1	4	Green	3	<p>M12 to RJ45</p> <table border="0"> <tr> <td>1</td> <td>White/Orange</td> <td>1</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>2</td> </tr> <tr> <td>2</td> <td>White/Green</td> <td>3</td> </tr> <tr> <td>4</td> <td>Green</td> <td>6</td> </tr> </table>	1	White/Orange	1	3	Orange	2	2	White/Green	3	4	Green	6	<p>M12 to RJ45</p> <table border="0"> <tr> <td>1</td> <td>White/Orange</td> <td>1</td> </tr> <tr> <td>3</td> <td>Orange</td> <td>2</td> </tr> <tr> <td>2</td> <td>White/Green</td> <td>3</td> </tr> <tr> <td>4</td> <td>Green</td> <td>6</td> </tr> </table>	1	White/Orange	1	3	Orange	2	2	White/Green	3	4	Green	6	<p>RJ45 to RJ45 Crossover</p> <table border="0"> <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>3</td> <td>White/Green</td> <td>3</td> </tr> <tr> <td>6</td> <td>Green</td> <td>6</td> </tr> </table>	1	White/Orange	1	2	Orange	2	3	White/Green	3	6	Green	6
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Standard cable lengths																																																																				
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Type	0985 706 100	0985 706 101	0985 706 103	0985 706 104	0985 706 500
Degree of protection	IP67		IP67 / IP20	IP67 / IP20	IP20
Operating temperature range	-20°C(-4°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, self extinguishing				
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				
Color	Teal				
Overall diameter	.210"				
Conductor	24 AWG stranded tinned copper				
Insulation	High density polyethylene				
Continuous Flex	2 million cycles @ 10X, 10 million cycles @ 20X bend radius				
Characteristics					
			 NOTE: Vibration & Oil Resistant applies to M12 side only.	 NOTE: Vibration & Oil Resistant applies to M12 side only.	
Recommended panel cut out					
				<p>Ø15.4 [Ø.611"] 13.6 [.54"] PG-9 PANEL NUT 5 [.20"] 3X 19 [.75"]</p>	

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