

## 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																																																															
<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 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.																																																															
<b>Technical Illustration</b>																																																																				
<b>Wiring diagram</b>	<p><b>M12 to M12</b></p> <table border="0"> <tr> <td><b>M12</b></td> <td><b>Color</b></td> <td><b>M12</b></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>	<b>M12</b>	<b>Color</b>	<b>M12</b>	1	White/Orange	1	2	White/Green	2	3	Orange	3	4	Green	4	<p><b>M12 to M12 Crossover Wiring</b></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><b>M12 to RJ45</b></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><b>M12 to RJ45</b></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><b>RJ45 to RJ45 Crossover</b></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
<b>M12</b>	<b>Color</b>	<b>M12</b>																																																																		
1	White/Orange	1																																																																		
2	White/Green	2																																																																		
3	Orange	3																																																																		
4	Green	4																																																																		
1	White/Orange	2																																																																		
3	Orange	4																																																																		
2	White/Green	1																																																																		
4	Green	3																																																																		
1	White/Orange	1																																																																		
3	Orange	2																																																																		
2	White/Green	3																																																																		
4	Green	6																																																																		
1	White/Orange	1																																																																		
3	Orange	2																																																																		
2	White/Green	3																																																																		
4	Green	6																																																																		
1	White/Orange	1																																																																		
2	Orange	2																																																																		
3	White/Green	3																																																																		
6	Green	6																																																																		
<b>Face views</b>																																																																				
<b>Part number</b>																																																																				
	<b>0985 706 100/...M</b>	<b>0985 706 101/...M</b>	<b>0985 706 103/...M</b>	<b>0985 706 104/...M</b>	<b>0985 706 500/...M</b>																																																															
<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 / 90 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 / 25 M / 30 M / 35 M / 40 M / 45 M / 50 M / 60 M / 70 M / 80 M / 90 M	0.5 M / 1 M / 2 M / 5 M / 10 M / 15 M / 20 M / 25 M / 30 M / 35 M	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 / 90 M																																																															

# Be Certain with Belden



## 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
Degree of protection	IP67		IP67 / IP20	IP67 / IP20	IP20
Operating temperature range	-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>M12 Receptacle</b>					
Housing				Brass, nickel plated	
Insert				PUR, black	
Contacts				Brass, gold plated	
<b>RJ45</b>					
Housing				Pre-tinned copper alloy	
Insert				Clear polycarbonate	
Contacts				50 μ" gold in contact area over nickel plating	
<b>Cable specifications</b>					
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				
<b>Characteristics</b>					
			 NOTE: Vibration & Oil Resistant applies to M12 side only.	 NOTE: Vibration & Oil Resistant applies to M12 side only.	
<b>Recommended panel cut out</b>					
				<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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Lumberg Automation:

[0985 706 100/45M](#) [0985 706 103/24M](#) [0985 706 103/26M](#) [0985 706 100/27M](#) [0985 706 100/50M](#) [0985 706 100/85M](#) [0985 706 103/60M](#) [0985 706 104/5M](#) [0985 706 104/6M](#) [0985 706 500/0.5M](#) [0985 706 103/5M](#) [0985 706 103/65M](#) [0985 706 500/15M](#) [0985 706 100/12M](#) [0985 706 101/1M](#) [0985 706 103/55M](#) [0985 706 103/35M](#) [0985 706 104/12M](#) [0985 706 500/35M](#) [0985 706 500/40M](#) [0985 706 100/10M](#) [0985 706 101/2M](#) [0985 706 103/40M](#) [0985 706 500/70M](#) [0985 706 100/5M](#) [0985 706 100/60M](#) [0985 706 103/25M](#) [0985 706 103/30M](#) [0985 706 104/25M](#) [0985 706 104/3M](#) [0985 706 100/0.3M](#) [0985 706 100/20M](#) [0985 706 100/3M](#) [0985 706 103/10M](#) [0985 706 100/15M](#) [0985 706 101/20M](#) [0985 706 101/5M](#) [0985 706 104/8M](#) [0985 706 100/40M](#) [0985 706 104/15M](#) [0985 706 100/30M](#) [0985 706 103/45M](#) [0985 706 104/0.5M](#) [0985 706 500/1M](#) [0985 706 500/60M](#) [0985 706 100/0.6M](#) [0985 706 100/7M](#) [0985 706 103/28M](#) [0985 706 500/10M](#) [0985 706 500/2M](#) [0985 706 101/10M](#) [0985 706 100/25M](#) [0985 706 101/0.5M](#) [0985 706 103/1M](#) [0985 706 103/8M](#) [0985 706 500/20M](#) [0985 706 103/2.5M](#) [0985 706 103/32M](#) [0985 706 104/2M](#) [0985 706 500/25M](#) [0985 706 104/35M](#) [0985 706 500/30M](#) [0985 706 500/50M](#) [0985 706 100/6M](#) [0985 706 100/8M](#) [0985 706 103/0.5M](#) [0985 706 103/15M](#) [0985 706 103/3M](#) [0985 706 103/75M](#) [0985 706 104/1M](#) [0985 706 104/14M](#) [0985 706 104/16M](#) [0985 706 500/3M](#) [0985 706 500/45M](#) [0985 706 103/16M](#) [0985 706 104/0.25M](#) [0985 706 103/20M](#) [0985 706 104/10M](#) [0985 706 100/1.5M](#) [0985 706 103/6M](#) [0985 706 104/4M](#) [0985 706 103/2M](#) [0985 706 100/2M](#) [0985 706 103/50M](#) [0985 706 103/70M](#) [0985 706 104/20M](#) [0985 706 104/30M](#) [0985 706 100/4M](#) [0985 706 100/0.5M](#) [0985 706 103/4M](#) [0985 706 100/1M](#) [0985 706 500/8M](#) [0985 706 103/3.5M](#) [0985 706 500/5M](#)