

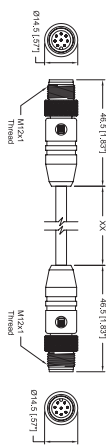
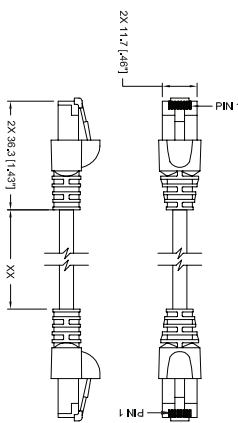




EtherMATE™ Industrial Ethernet Double-Ended Cord Sets

Moderate-Flex/High Noise, Solid/Shielded, 24 AWG, PVC Jacket

Type	0985 609 100	0985 609 101	0985 609 500																																																																																										
Configuration	M12 to M12	M12 to M12 (crossover)	RJ45 to RJ45																																																																																										
																																																																																													
Product Description	Industrial Ethernet double-ended cord set, moderate-flex, male, M12 to M12 straight, 4-pair, 24 AWG, PVC cable, solid/shielded with teal jacket and orange inserts. CAT5	Industrial Ethernet double-ended cord set, moderate-flex, male, M12 to M12 straight, 4-pair, 24 AWG, PVC cable, solid/shielded, crossover with teal jacket and orange inserts. CAT5	Industrial Ethernet double-ended cord set, moderate-flex, male, RJ45 to RJ45 straight, 4-pair, 24 AWG, PVC cable, solid/shielded with teal jacket. CAT5e																																																																																										
Category Rating	CAT5		CAT5e																																																																																										
Technical Illustration																																																																																													
Wiring diagram	<table border="0"> <thead> <tr> <th>M12</th> <th>Color</th> <th>M12</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>White/Orange</td> <td>6</td> </tr> <tr> <td>4</td> <td>Orange</td> <td>4</td> </tr> <tr> <td>1</td> <td>White/Blue</td> <td>1</td> </tr> <tr> <td>7</td> <td>Blue</td> <td>7</td> </tr> <tr> <td>5</td> <td>White/Green</td> <td>5</td> </tr> <tr> <td>8</td> <td>Green</td> <td>8</td> </tr> <tr> <td>2</td> <td>White/Brown</td> <td>2</td> </tr> <tr> <td>3</td> <td>Brown</td> <td>3</td> </tr> <tr> <td>Nut</td> <td>Shield</td> <td>Nut</td> </tr> </tbody> </table>	M12	Color	M12	6	White/Orange	6	4	Orange	4	1	White/Blue	1	7	Blue	7	5	White/Green	5	8	Green	8	2	White/Brown	2	3	Brown	3	Nut	Shield	Nut	<table border="0"> <thead> <tr> <th>M12</th> <th>Color</th> <th>M12</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>White/Orange</td> <td>5</td> </tr> <tr> <td>4</td> <td>Orange</td> <td>8</td> </tr> <tr> <td>1</td> <td>White/Blue</td> <td>1</td> </tr> <tr> <td>7</td> <td>Blue</td> <td>7</td> </tr> <tr> <td>5</td> <td>White/Green</td> <td>6</td> </tr> <tr> <td>8</td> <td>Green</td> <td>4</td> </tr> <tr> <td>2</td> <td>White/Brown</td> <td>2</td> </tr> <tr> <td>3</td> <td>Brown</td> <td>3</td> </tr> <tr> <td>Nut</td> <td>Shield</td> <td>Nut</td> </tr> </tbody> </table>	M12	Color	M12	6	White/Orange	5	4	Orange	8	1	White/Blue	1	7	Blue	7	5	White/Green	6	8	Green	4	2	White/Brown	2	3	Brown	3	Nut	Shield	Nut	<table border="0"> <thead> <tr> <th>RJ45</th> <th>Color</th> <th>RJ45</th> </tr> </thead> <tbody> <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>5</td> <td>White/Blue</td> <td>5</td> </tr> <tr> <td>4</td> <td>Blue</td> <td>4</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> <tr> <td>7</td> <td>White/Brown</td> <td>7</td> </tr> <tr> <td>8</td> <td>Brown</td> <td>8</td> </tr> <tr> <td>Shell</td> <td>Shield</td> <td>Shell</td> </tr> </tbody> </table>	RJ45	Color	RJ45	1	White/Orange	1	2	Orange	2	5	White/Blue	5	4	Blue	4	3	White/Green	3	6	Green	6	7	White/Brown	7	8	Brown	8	Shell	Shield	Shell
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Part number	0985 609 100...M	0985 609 101...M	0985 609 500/...M																																																																																										
Standard cable lengths	0.3 M / 0.5 M / 1 M / 2 M / 3 M / 4 M / 5 M / 10 M / 15 M / 20 M / 25 M / 30 M / 35 M / 40 M / 45 M / 50 M / 55 M / 60 M / 65 M / 70 M / 75 M / 80 M / 85 M / 90 M																																																																																												

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EtherMATE™ Industrial Ethernet Double-Ended Cord Sets

Moderate-Flex/High Noise, Solid/Shielded, 24 AWG, PVC Jacket

Type	0985 609 100	0985 609 101	0985 609 500
Degree of protection	IP67		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		
RJ45			
Plug	Polycarbonate		
Contacts	Phosphor bronze, gold plated		
Boot	Elastomer polyolefin		
Shell	Copper alloy, nickel plated		
Cable specifications			
Cable jacket	PVC, (sun and oil Resistant)		
Color	Teal		
Overall diameter	7.26mm, nominal		
Conductor	24 AWG, solid		
Number of pairs	4		
Insulation	Polyethylene		
Foil shield	Aluminum/polyester tape, 100% coverage		
Braided shield	Tinned copper, 65% coverage		
EMI protection	50 dB @ 0.772 MHz - 1000 MHz		
Agency approval	ETL rated CMR		
Cable type	CAT5, moderate flex / high noise (0985 609 500 - CAT5e)		
Characteristics			

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 609 500/0.3M](#) [0985 609 500/7M](#) [0985 609 500/90M](#) [0985 609 500/100M](#) [0985 609 101/25M](#) [0985 609 500/80M](#) [0985 609 500/1M](#) [0985 609 500/20M](#) [0985 609 500/65M](#) [0985 609 100/30M](#) [0985 609 100/38M](#) [0985 609 500/9M](#) [0985 609 500/5M](#) [0985 609 100/2M](#) [0985 609 100/35M](#) [0985 609 100/80M](#) [0985 609 100/90M](#) [0985 609 500/19M](#) [0985 609 100/15M](#) [0985 609 100/50M](#) [0985 609 100/76M](#) [0985 609 500/10M](#) [0985 609 500/15M](#) [0985 609 500/40M](#) [0985 609 100/5M](#) [0985 609 100/61M](#) [0985 609 500/12M](#) [0985 609 500/13M](#) [0985 609 500/31M](#) [0985 609 500/34M](#) [0985 609 100/65M](#) [0985 609 100/75M](#) [0985 609 500/25M](#) [0985 609 100/85M](#) [0985 609 500/21M](#) [0985 609 500/8M](#) [0985 609 500/16M](#) [0985 609 500/18M](#) [0985 609 100/20M](#) [0985 609 100/3M](#) [0985 609 100/45M](#) [0985 609 100/53M](#) [0985 609 500/22M](#) [0985 609 500/30M](#) [0985 609 500/3M](#) [0985 609 500/4M](#) [0985 609 500/6M](#) [0985 609 100/25M](#) [0985 609 500/14M](#) [0985 609 500/35M](#) [0985 609 500/38M](#) [0985 609 100/100M](#) [0985 609 101/2M](#) [0985 609 100/0.5M](#) [0985 609 100/10M](#) [0985 609 100/12M](#) [0985 609 100/55M](#) [0985 609 500/11M](#) [0985 609 100/60M](#) [0985 609 100/40M](#) [0985 609 500/23M](#) [0985 609 500/2M](#) [0985 609 100/23M](#) [0985 609 100/70M](#) [0985 609 500/17M](#)