

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|---|---|--|--|-----|---|--------|---|---|-------|---|---|--------|---|---|------|---|-----|--------|-----|---|--|------|-------|-----|---|--------|---|---|-------|---|---|--------|---|---|------|---|------|--------|-----|---|--|------|-------|------|---|--------|---|---|-------|---|---|--------|---|---|------|---|------|--------|------|
| Product Description | 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Illustration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wiring diagram | <table border="0"> <thead> <tr> <th>M12</th> <th>Color</th> <th>M12</th> </tr> </thead> <tbody> <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> </tbody> </table> | | | M12 | Color | M12 | 1 | Yellow | 1 | 2 | White | 2 | 3 | Orange | 3 | 4 | Blue | 4 | Nut | Shield | Nut | <table border="0"> <thead> <tr> <th>RJ45</th> <th>Color</th> <th>M12</th> </tr> </thead> <tbody> <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>6</td> <td>Blue</td> <td>4</td> </tr> <tr> <td>Case</td> <td>Shield</td> <td>Nut</td> </tr> </tbody> </table> | | RJ45 | Color | M12 | 1 | Yellow | 1 | 2 | White | 2 | 3 | Orange | 3 | 6 | Blue | 4 | Case | Shield | Nut | <table border="0"> <thead> <tr> <th>RJ45</th> <th>Color</th> <th>RJ45</th> </tr> </thead> <tbody> <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>6</td> <td>Blue</td> <td>6</td> </tr> <tr> <td>Case</td> <td>Shield</td> <td>Case</td> </tr> </tbody> </table> | | RJ45 | Color | RJ45 | 1 | Yellow | 1 | 2 | White | 2 | 3 | Orange | 3 | 6 | Blue | 6 | Case | Shield | Case |
| M12 | Color | M12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Yellow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | White | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Orange | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Blue | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nut | Shield | Nut | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RJ45 | Color | M12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Yellow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | White | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Orange | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Blue | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Case | Shield | Nut | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RJ45 | Color | RJ45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Yellow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | White | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Orange | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Blue | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Case | Shield | Case | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Face views | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0985 S4742 100/...M | 0985 S4742 116/...M | 0985 S4742 117/...M | 0985 S4742 104/...M | 0985 S4742 502/...M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard cable lengths | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 |
|-------------------------------|---|---|---|--|---|
| Degree of protection | IP68 | | IP68 / IP20 | | IP20 |
| Temperature | -40°C to 80°C | | -40°C to 70°C | | |
| Mechanical | | | | | |
| M12 and M12 Receptacle | | | | | |
| Molded body | PUR, black | | | | |
| Coupling nut | Brass, nickel plated | | | | |
| Contacts | Brass, gold over nickel plated | | | | |
| Insert | PUR, black | | | | |
| RJ45 | | | | | |
| Plastic housing | Polyamid, black | | | | |
| Cable specifications | | | | | |
| 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 | | | | |
| Characteristics | | | | | |
| |    |    |    |    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.