

# 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   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 1                             | Yellow  | 1   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 2                             | White   | 2   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 3                             | Orange  | 3   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 4                             | Blue  | 4   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| Nut                           | Shield  | Nut   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| RJ45                          | Color   | M12   | RJ45  |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 1                             | Yellow  | 1   | 1   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 2                             | White   | 2   | 2   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 3                             | Orange  | 3   | 3   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| 6                             | Blue  | 4   | 6   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| Case                          | Shield  | Nut   | Case  |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| <b>Face views</b>             |   |   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
| <b>Part number</b>            |   |   |   |  |  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |
|                               | 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  |     |   |        |   |   |       |   |   |        |   |   |      |   |     |        |     |   |  |      |       |     |      |   |        |   |   |   |       |   |   |   |        |   |   |   |      |   |   |      |        |     |      |

## 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   |  |   |
| <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>        |   |   |   |  |   |
|                               |    |    |    |   <br>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.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.