


## Cables for Fieldbus and Industrial Ethernet network

### Double ended cord set


DELTA offers heavy duty cables with metallic protective braid for connection to fieldbus such as Profibus-DP and Industrial Ethernet network. They are designed to survive in the extreme conditions of hot rolling mill.

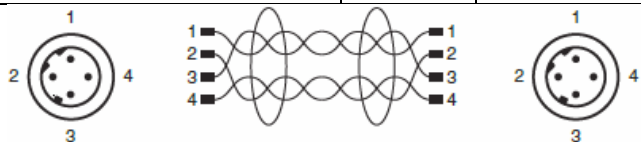
#### a) Profibus-DP

| Description                              |  | Legnth  | Reference |         |
|--|--|---|-----------|---------|
| A side Connector                         | B side Connector                           |  | 2 m       | 7540296 |
| Male,<br>M12, 5 pin B-coded,<br>Straight | Female,<br>M12, 5 pin B-coded,<br>Straight |   | 3 m       | 7540297 |
|  |  |   | 5 m       | 7540290 |
|  |  |   | 10 m      | 7540298 |
|  |  |   | 15 m      | 7540457 |
|  |  |   | 20 m      | 7540299 |



#### b) Industrial Ethernet

| Description                              |  | Legnth  | Reference |         |
|--|--|---|-----------|---------|
| A side Connector                         | B side Connector                         |  | 2 m       | 7540273 |
| Male,<br>M12, 4 pin D-coded,<br>Straight | Male,<br>M12, 4 pin D-coded,<br>Straight |   | 3 m       | 7540276 |
|  |  |   | 5 m       | 7540277 |
|  |  |   | 10 m      | 7540278 |
|  |  |   | 15 m      | 7540291 |
|  |  |   | 20 m      | 7540279 |





### End of Bus Termination (Profibus-DP)

| Description  | Reference   |  |         |
|--|---|--|---------|
| End of bus termination resistor in M12 Male connector, B-coded |  |  | 2536756 |



## Protective caps

| Description                             |   | Reference |
|---|---|-----------|
| Protective cap for M12 male connector   |  | 2536720   |
| Protective cap for M12 female connector |  | 2536721   |

## Technical characteristics

### a) Connector

|                       |  |
|-----------------------|--|
| Type                  | M12 5 pin B-Coding for Profibus-DP<br>M12 4 pin D-Coding for Industrial Ethernet |
| Durability            | 500 cycles   |
| Operating voltage     | 60 VAC/DC  |
| Contact               | Brass with gold plating  |
| Contact rated current | 4A   |
| Contact resistance    | ≤ 5 mΩ   |
| Connection            | Soldering, AWG 22 to 20  |
| Cable outer diameter  | 6 to 10.5 mm   |
| Operating temperature | -40°C to 100°C (-40°F to 212°F)  |
| Degree of protection  | IP67   |

### b) Cable

High temperature cables, resisting 180°C, with metallic protective braid, Cat. 5 (EN 50288-5-2)  
M12 heavy duty metallic connector

|                        | For Profibus-DP  | For Industrial Ethernet |
|------------------------|--|-------------------------|
| Cross section          | 2 x 0.34 mm <sup>2</sup>   | 2 x 2 x 26AWG           |
| DC resistance at 20°C  | Max 58.8 Ω/km  | Max 133.3 Ω/km          |
| Peak operating voltage | Max 350V   |                         |
| Temperature range      | -40°C to 180°C (-40°F to 350°F) (fixed laying)<br>-25°C to 180°C (-13°F to 350°F) (flexible) |                         |
| Braid                  | Galvanized steel   |                         |
| Outer diameter         | 10.3 mm  |                         |
| Minimum bending radius | 12 x outer diameter  |                         |
| Weight                 | 162 kg/km  | 134 kg/km               |

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Non contractual pictures



Subject to change without prior notice

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