

## M12 D-cod 4-pol st/st m/m Rail 16m



Image is for illustration purposes only. Please refer to product description.

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 09 48 222 2011 160                                                                  |
| Specification      | M12 D-cod 4-pol st/st m/m Rail 16m                                                  |
| HARTING eCatalogue | <a href="https://harting.com/09482222011160">https://harting.com/09482222011160</a> |

### Identification

|                          |                             |
|--------------------------|-----------------------------|
| Category                 | System cabling              |
| Series                   | Circular connectors M12     |
| Element                  | Cable assemblies            |
| Specification            | Pre-assembled on both sides |
| Connector 1              | M12 D-coding                |
|                          | Male Straight               |
|                          | Overmoulded                 |
| Connector 2              | M12 D-coding                |
|                          | Male Straight               |
|                          | Overmoulded                 |
| Type of cable            | Copper cable (round)        |
| Description of the cable | for railway applications    |

### Version

|                 |             |
|-----------------|-------------|
| Cable length    | 16 m        |
| Number of cores | 4           |
| Core structure  | 4x AWG 22/7 |
| Coding          | D-coding    |

### Technical characteristics

|                              |                              |
|------------------------------|------------------------------|
| Transmission characteristics | Cat. 5 Class D up to 100 MHz |
| Data rate                    | 10 Mbit/s                    |
|                              | 100 Mbit/s                   |
| Limiting temperature         | -40 ... +85 °C unmoved       |
|                              | -25 ... +70 °C moved         |



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## Technical characteristics

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| Cable diameter         | 6.6 mm $\pm$ 0.2 mm                                                          |
| Minimum bending radius | 6x Cable diameter (repeated bending)<br>5x Cable diameter (singular bending) |
| Impedance              | 100 $\Omega$ $\pm$ 5 %                                                       |

## Material properties

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| Material (cable)                     | Elastomer                                              |
| Colour (cable)                       | Black                                                  |
| RoHS                                 | compliant with exemption                               |
| RoHS exemptions                      | 6(c): Copper alloy containing up to 4 % lead by weight |
| ELV status                           | compliant with exemption                               |
| China RoHS                           | 50                                                     |
| REACH Annex XVII substances          | Not contained                                          |
| REACH ANNEX XIV substances           | Not contained                                          |
| REACH SVHC substances                | Yes                                                    |
| REACH SVHC substances                | Lead                                                   |
| ECHA SCIP number                     | 760691ac-b4d2-427c-9996-5886190b813b                   |
| California Proposition 65 substances | Yes                                                    |
| California Proposition 65 substances | Lead                                                   |

## Specifications and approvals

|                |            |
|----------------|------------|
| Specifications | EN 45545-2 |
|----------------|------------|

## Commercial data

|                                |                                              |
|--------------------------------|----------------------------------------------|
| Packaging size                 | 1                                            |
| Net weight                     | 1,089 g                                      |
| Country of origin              | Romania                                      |
| European customs tariff number | 85444290                                     |
| GTIN                           | 5713140247864                                |
| eCl@ss                         | 27060390 Ready-made data cable (unspecified) |
| ETIM                           | EC002599                                     |
| UNSPSC 24.0                    | 26121600                                     |