

## M12 D-cod 4-pol st/- m/- Rail 20m



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 09 48 220 0011 200                                                                  |
| Specification      | M12 D-cod 4-pol st/- m/- Rail 20m                                                   |
| HARTING eCatalogue | <a href="https://harting.com/09482200011200">https://harting.com/09482200011200</a> |

### Identification

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

### Version

|                 |             |
|-----------------|-------------|
| Cable length    | 20 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<br>100 Mbit/s                                                      |
| Limiting temperature         | -40 ... +85 °C unmoved<br>-25 ... +70 °C moved                               |
| Cable diameter               | 6.6 mm ± 0.2 mm                                                              |
| Minimum bending radius       | 6x Cable diameter (repeated bending)<br>5x Cable diameter (singular bending) |



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## Technical characteristics

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<br>Triphenyl phosphate                            |
| 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                 | 2                                            |
| Net weight                     | 1 g                                          |
| Country of origin              | Romania                                      |
| European customs tariff number | 85444290                                     |
| GTIN                           | 5713140239739                                |
| eCl@ss                         | 27060390 Ready-made data cable (unspecified) |
| ETIM                           | EC002599                                     |
| UNSPSC 24.0                    | 26121600                                     |