

## M12 D-cod 4-pol st/- m/- Rail 12m



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 09 48 220 0011 120                                                                  |
| Specification      | M12 D-cod 4-pol st/- m/- Rail 12m                                                   |
| HARTING eCatalogue | <a href="https://harting.com/09482200011120">https://harting.com/09482200011120</a> |

### Identification

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

### Version

|                 |             |
|-----------------|-------------|
| Cable length    | 12 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                 |
| Cable diameter               | 6.6 mm ± 0.2 mm                      |
| Minimum bending radius       | 6x Cable diameter (repeated bending) |
|                              | 5x Cable diameter (singular bending) |



**Pushing Performance**  
Since 1945

## 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                                                   |
| 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                     | 809 g                                        |
| Country of origin              | Romania                                      |
| European customs tariff number | 85444290                                     |
| GTIN                           | 5713140239708                                |
| eCl@ss                         | 27060390 Ready-made data cable (unspecified) |
| ETIM                           | EC002599                                     |
| UNSPSC 24.0                    | 26121600                                     |