

## M8 T1 SPE 1x2xAWG24/7 Rail 1.0m



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 33 28 080 8004 010                                                                  |
| Specification      | M8 T1 SPE 1x2xAWG24/7 Rail 1.0m                                                     |
| HARTING eCatalogue | <a href="https://harting.com/33280808004010">https://harting.com/33280808004010</a> |

### Identification

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Category                 | System cabling                                   |
| Series                   | HARTING T1 Industrial                            |
| Element                  | Cable assemblies                                 |
| Specification            | Pre-assembled on both sides                      |
| Connector 1              | HARTING M8 T1 Industrial<br>Overmoulded          |
| Connector 2              | HARTING M8 T1 Industrial<br>Overmoulded          |
| Type of cable            | Copper cable (round)                             |
| Description of the cable | Halogen-free<br>Oil resistant<br>Flame retardant |

### Version

|                    |                |
|--------------------|----------------|
| Cable length       | 1 m            |
| Number of cores    | 2              |
| Core structure     | 1x 2x AWG 24/7 |
| Number of contacts | 2              |

### Technical characteristics

|                              |                   |
|------------------------------|-------------------|
| Rated current                | 4 A               |
| Rated voltage                | 60 V DC           |
| Transmission characteristics | 600 MHz Bandwidth |



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## Technical characteristics

|                                        |                          |
|----------------------------------------|--------------------------|
| Data rate                              | 10 Mbit/s                |
|                                        | 100 Mbit/s               |
|                                        | 1 Gbit/s                 |
| Limiting temperature                   | -40 ... +80 °C unmoved   |
|                                        | -25 ... +80 °C moved     |
| Mating cycles                          | ≥100                     |
| Degree of protection acc. to IEC 60529 | IP67                     |
| Test voltage $U_{r.m.s.}$              | 1 kV (contact-contact)   |
|                                        | 2.25 kV (contact-ground) |

## Material properties

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Material (cable)                     | XLPE                                |
| Colour (cable)                       | Black                               |
| RoHS                                 | compliant                           |
| ELV status                           | compliant                           |
| China RoHS                           | e                                   |
| REACH Annex XVII substances          | Not contained                       |
| REACH ANNEX XIV substances           | Not contained                       |
| REACH SVHC substances                | Not contained                       |
| California Proposition 65 substances | Not contained                       |
| Fire protection on railway vehicles  | EN 45545-2 (2020-08) + A1 (2023-10) |
| Requirement set with Hazard Levels   | R15 (HL 1-3)                        |
|                                      | R16 (HL 1-3)                        |

## Specifications and approvals

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| Specifications | IEC 63171-6                                                         |
|                | IEEE 802.3bu (remote power supply over PoDL = Power over Data Line) |
|                | IEEE 802.3cg (10BASE-T1)                                            |
|                | IEEE 802.3bw (100BASE-T1)                                           |
|                | IEEE 802.3bp (1000BASE-T1)                                          |
|                | EN 45545-2 Hazard Level HL1-HL3                                     |
|                | EN 50305 clause 9.1.2                                               |
|                | IEC 60332-1-2                                                       |
|                | IEC 60332-3-25                                                      |
|                | IEC 60332-3-22 Flame retardancy                                     |
|                | EN 60811-404 Oil resistance                                         |

## Commercial data

|                |   |
|----------------|---|
| Packaging size | 1 |
|----------------|---|



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Commercial data

|                                |                    |
|--------------------------------|--------------------|
| Country of origin              | Czechia            |
| European customs tariff number | 85444290           |
| GTIN                           | 5713140798236      |
| eCl@ss                         | 27060307 Bus cable |
| UNSPSC 24.0                    | 26121600           |