



Pushing Performance  
Since 1945

# M8 T1 SPE 1x2xAWG22/7 PUR 10m

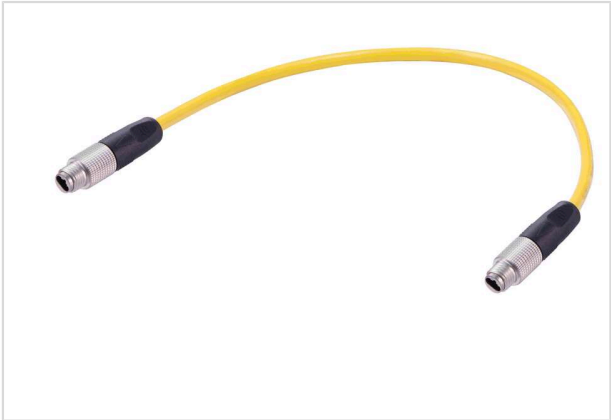


Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 33 28 080 8002 100  |
| Specification      | M8 T1 SPE 1x2xAWG22/7 PUR 10m   |
| HARTING eCatalogue | <a href="https://b2b.harting.com/33280808002100">https://b2b.harting.com/33280808002100</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       | 10 m           |
| Number of cores    | 2              |
| Core structure     | 1x 2x AWG 22/7 |
| 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                 |
| Contact resistance                     | ≤20 mΩ                   |
| Shielding resistance                   | ≤100 mΩ                  |
| 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)                     | PUR (polyurethane)   |
| Colour (cable)                       | Yellow               |
| 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) |
| 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)  |
|                | IEC 60332-1-2 Flame retardancy                                      |
|                | EN 60811-404 Oil resistance   |

## Commercial data

|                   |         |
|-------------------|---------|
| Packaging size    | 1       |
| Country of origin | Czechia |



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Commercial data

|                                |                    |
|--------------------------------|--------------------|
| European customs tariff number | 85444290           |
| GTIN                           | 5713140798328      |
| eCl@ss                         | 27060307 Bus cable |