

T1 IP20 -M12 T1 SPE 1x2xAWG22/7 PUR 10m



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

| | |
|--------------------|---|
| Part number | 33 28 021 4002 100 |
| Specification | T1 IP20 -M12 T1 SPE 1x2xAWG22/7 PUR 10m |
| HARTING eCatalogue | https://b2b.harting.com/33280214002100 |

Identification

| | |
|--------------------------|--|
| Category | System cabling |
| Series | HARTING T1 Industrial Circular connectors M12 |
| Element | Cable assemblies |
| Specification | Pre-assembled on both sides |
| Connector 1 | HARTING T1 Industrial Overmoulded IP20 |
| Connector 2 | M12 Single Pair Ethernet (SPE) Slim Design Straight Screw locking IP65 / IP67 mated condition Zinc die-cast |
| Type of cable | Copper cable (round) |
| Description of the cable | Halogen-free Oil resistant Flame retardant |

Version

| | |
|--------------------|--|
| Cable length | 10 m |
| Number of cores | 2 |
| Core structure | 1x 2x AWG 22/7 |
| Termination method | Crimp termination |
| Gender | Male |
| Shielding | Fully shielded, 360° shielding contact |



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Version

| | |
|--------------------|----------------------------|
| Number of contacts | 2 |
| further contacts | + shielding |
| Coding | Single Pair Ethernet (SPE) |

Technical characteristics

| | |
|------------------------------|--------------------------|
| Rated current | 4 A |
| Rated voltage | 60 V DC |
| Transmission characteristics | 600 MHz Bandwidth |
| Data rate | 10 Mbit/s |
| | 100 Mbit/s |
| | 1 Gbit/s |
| | 2.5 Gbit/s |
| | 5 Gbit/s |
| | 10 Gbit/s |
| Contact resistance | ≤20 mΩ |
| Shielding resistance | ≤100 mΩ |
| Limiting temperature | -40 ... +80 °C unmoved |
| | -25 ... +80 °C moved |
| Mating cycles | ≥1,000 |
| Test voltage U _{DC} | 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 | Yes |
| REACH SVHC substances | Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate |
| ECHA SCIP number | ff02956a-37e1-4ebf-a7f4-c1f2ab790cc0 |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Lead |
| | Nickel |



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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) |
| | IEEE 802.3ch (2.5GBASE-T1 / 5GBASE-T1 / 10GBASE-T1) |
| | IEC 60332-1-2 Flame retardancy EN 60811-404 Oil resistance |

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 1 |
| Country of origin | Latvia |
| European customs tariff number | 85444290 |
| GTIN | 5713140263130 |
| eCl@ss | 27060390 Ready-made data cable (unspecified) |