



Pushing Performance  
Since 1945

# M8 T1 Hybr. m/fe str. PUR bk 3.0m



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

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Part number        | 33 28 181 9225 030                                                                  |
| Specification      | M8 T1 Hybr. m/fe str. PUR bk 3.0m                                                   |
| HARTING eCatalogue | <a href="https://harting.com/33281819225030">https://harting.com/33281819225030</a> |

## Identification

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

## Version

|                    |                                |
|--------------------|--------------------------------|
| Cable length       | 3 m                            |
| Number of cores    | 4                              |
| Core structure     | 1x 2x AWG 22/7<br>2x AWG 18/19 |
| Gender             | Male<br>Female                 |
| Number of contacts | 4                              |
| Coding             | Single Pair Ethernet (SPE)     |
| Locking type       | Screw locking                  |



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## Technical characteristics

|                              |                   |
|------------------------------|-------------------|
| Rated voltage                | 60 V DC           |
| Rated current (data)         | 4 A               |
| Rated current (power)        | 8 A               |
| Transmission characteristics | 600 MHz Bandwidth |
| Data rate                    | 10 Mbit/s         |
|                              | 100 Mbit/s        |
|                              | 1 Gbit/s          |
| Limiting temperature         | -40 ... +85 °C    |
| Cable diameter               | 7.1 mm ± 0.3 mm   |
| Minimum bending radius       | 5x Cable diameter |
| Drag chain compatible        | No                |

## Material properties

|                                      |                                                        |
|--------------------------------------|--------------------------------------------------------|
| Material (cable)                     | PUR (polyurethane)                                     |
| 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                     | 567c8b78-5fa0-43aa-a4c0-beb9d99b7769                   |
| California Proposition 65 substances | Yes                                                    |
| California Proposition 65 substances | Lead                                                   |



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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)                                          |
|                | IEC 60332-1-2 Flame retardancy                                      |
|                | UL 2556 Sec. 9.3 (FT1)                                              |
|                | UL 2556 Sec. 9.4 (VW-1)                                             |
|                | UL 758 Oil resistance                                               |
|                | IEC 60754-1 Halogen freeness                                        |

Commercial data

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

# Mouser Electronics

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