

M12 T1 SPE 1x2xAWG22/7 PUR 5,0m



Part number	33 28 141 4002 050
Specification	M12 T1 SPE 1x2xAWG22/7 PUR 5,0m
HARTING eCatalogue	https://harting.com/33281414002050

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

Identification

Category	System cabling
Series	HARTING T1 Industrial Circular connectors M12
Element	Cable assemblies
Specification	Pre-assembled on both sides
Connector 1	M12 Single Pair Ethernet (SPE) Slim Design Straight
Connector 2	M12 Single Pair Ethernet (SPE) Slim Design Straight
Type of cable	Copper cable (round)
Description of the cable	Halogen-free Oil resistant Flame retardant

Version

Cable length	5 m
Number of cores	2
Core structure	1x 2x AWG 22/7
Termination method	Crimp termination
Gender	Male
Shielding	Fully shielded, 360° shielding contact
Number of contacts	2
further contacts	+ shielding

Version

Coding	Single Pair Ethernet (SPE)
Locking type	Screw locking

Technical characteristics

Rated current	4 A
Rated voltage	60 V DC
Transmission characteristics	600 MHz Bandwidth
Data rate	1 Gbit/s
Contact resistance	$\leq 20 \text{ m}\Omega$
Shielding resistance	$\leq 100 \text{ m}\Omega$
Limiting temperature	-40 ... +80 °C unmoved -25 ... +80 °C moved
Mating cycles	$\geq 1,000$
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Test voltage U_{DC}	1 kV (contact-contact) 2.25 kV (contact-ground)

Material properties

Material (hood/housing)	Zinc die-cast
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	Yes
California Proposition 65 substances	Lead Nickel

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
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Commercial data

Packaging size	1
Country of origin	Latvia
European customs tariff number	85444290
GTIN	5713140247123
eCl@ss	27060390 Ready-made data cable (unspecified)
ETIM	EC002599
UNSPSC 24.0	26121600