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M12 T1 SPE 1x2xAWG22/7 PUR 20m



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

Part number	33 28 141 4002 200
Specification	M12 T1 SPE 1x2xAWG22/7 PUR 20m
HARTING eCatalogue	https://harting.com/33281414002200

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	20 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

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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	≤20 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +80 °C unmoved -25 ... +80 °C moved
Mating cycles	≥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

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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
Net weight	866 g
Country of origin	Latvia
European customs tariff number	85444290
GTIN	5713140247161
eCl@ss	27060390 Ready-made data cable (unspecified)
ETIM	EC002599
UNSPSC 24.0	26121600

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