

# M12 T1 SPE 1x2xAWG22/7 PUR 40m



Part number	33 28 141 4002 400
Specification	M12 T1 SPE 1x2xAWG22/7 PUR 40m
HARTING eCatalogue	https://b2b.harting.com/33281414002400

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)
Type of cable	
Description of the cable	Halogen-free Oil resistant
	Flame retardant
Version	
Cable length	40 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

Page 1 / 3 | Creation date 2022-11-04 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com



#### 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	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
Degree of protection acc. to IEC 60529	IP65 / IP67 mated condition
Test voltage U <sub>DC</sub>	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

Page 2 / 3 | Creation date 2022-11-04 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com



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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	5713140247185
eCl@ss	27060390 Ready-made data cable (unspecified)

Page 3 / 3 | Creation date 2022-11-04 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com