

HPP 20p. Device Side Cable Assembly 0,5m



Part number	33 22 143 0500 002
Specification	HPP 20p. Device Side Cable Assembly 0,5m
HARTING eCatalogue	https://b2b.harting.com/33221430500002

Identification

Category	Cable assemblies
Series	HARTING PushPull (V4)
Specification	Pre-assembled on one side
Connector 1	HARTING PushPull (V4) Thermoplastic
Type of cable	Copper cable (round)

Version

Number of cores	20
Core structure	20x AWG 26

Technical characteristics

Contact spacing (termination side)	1.9 mm
	2 mm
Contact spacing (mating side)	1.9 mm
	2 mm
Rated current	2 A
Rated voltage	50 V
Clearance distance	≥1.2 mm
Creepage distance	≥1.9 mm
Insulation resistance	>10 ⁸ Ω
Contact resistance	≤20 mΩ
Limiting temperature	-40 ... +80 °C
Insertion force	50 N
Withdrawal force	50 N



Pushing Performance

Technical characteristics

Mating cycles	≥100
Cable length	0.5 m
Test voltage $U_{r.m.s.}$	2 kV (contact-contact) 2 kV (contact-ground)
Isolation group	I ($600 \leq CTI$)
Vibration resistance	10-500 Hz, 5 g, 0.35 mm, 10 sweep cycles acc. to IEC 61373 Category 1 Class B
Shock resistance	50 g / 11 ms, 3 shocks / axis and direction

Material properties

Material (insert)	Polyamide (PA)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Silver plated Termination side Silver plated Mating side
Material (cable)	PUR (polyurethane)
Colour (cable)	Black
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No

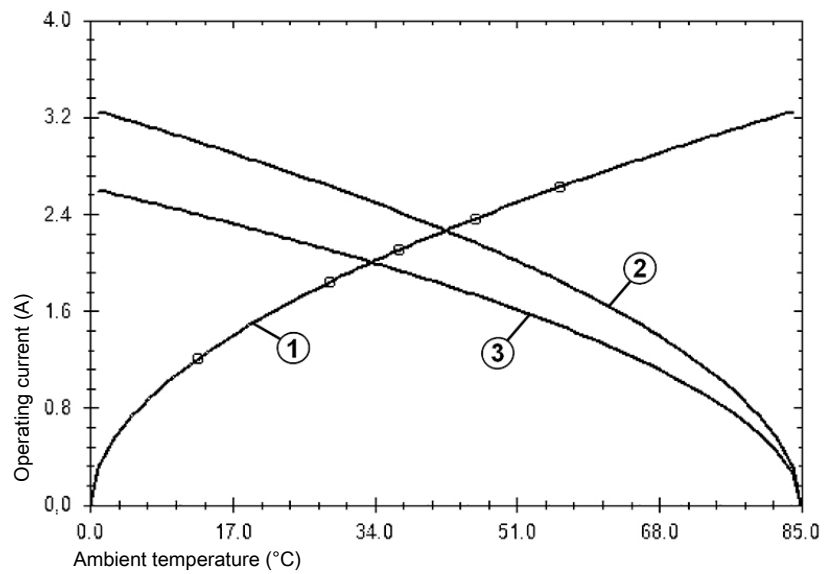
Commercial data

Packaging size	1
Net weight	69.4 g
Country of origin	China
European customs tariff number	8544421100
eCl@ss	27060390 Ready-made data cable (unspecified)

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.

Measuring and testing techniques acc. to IEC 60512-5-2



- ① Heating
 - ② Derating curve
 - ③ Derating curve 80%
- Conductor cross-section 0.2 mm²