

PPV4 2.0 Signal 20p d.e. 20x0,14qmm 2,0m

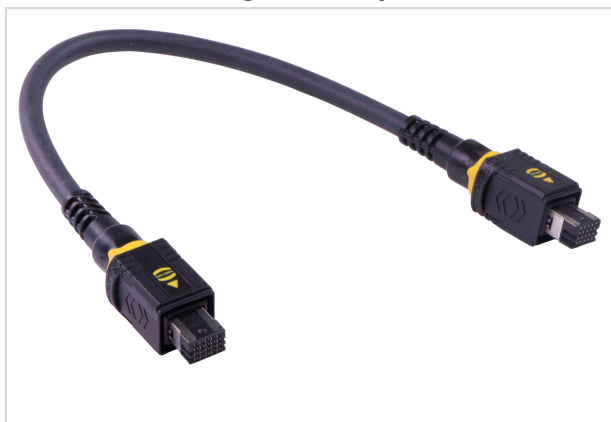


Image is for illustration purposes only. Please refer to product description.

| | |
|--------------------|---|
| Part number | 09 48 353 5848 020 |
| Specification | PPV4 2.0 Signal 20p d.e. 20x0,14qmm 2,0m |
| HARTING eCatalogue | https://b2b.harting.com/09483535848020 |

Identification

| | |
|--------------------------|--|
| Category | System cabling |
| Series | HARTING PushPull (V4) |
| Element | Cable assemblies |
| Specification | Pre-assembled on both sides |
| Connector 1 | HARTING PushPull (V4) Signal 20 poles |
| Connector 2 | HARTING PushPull (V4) Signal 20 poles |
| Type of cable | Copper cable (round) |
| Description of the cable | Wiring 1:1 |

Version

| | |
|-----------------|--------------|
| Cable length | 2 m |
| Shielding | Shielded |
| Number of cores | 20 |
| Core structure | 20x AWG 26/7 |

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 |



Pushing Performance

Technical characteristics

| | |
|----------------------------------|---|
| 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 |
| Mating cycles | ≥100 |
| Test voltage U _{r.m.s.} | 2 kV (contact-contact) 2 kV (contact-ground) |
| Isolation group | I (600 ≤ 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 |
| California Proposition 65 substances | Yes |
| California Proposition 65 substances | Nickel Lead Naphthalene |



Pushing Performance

Specifications and approvals

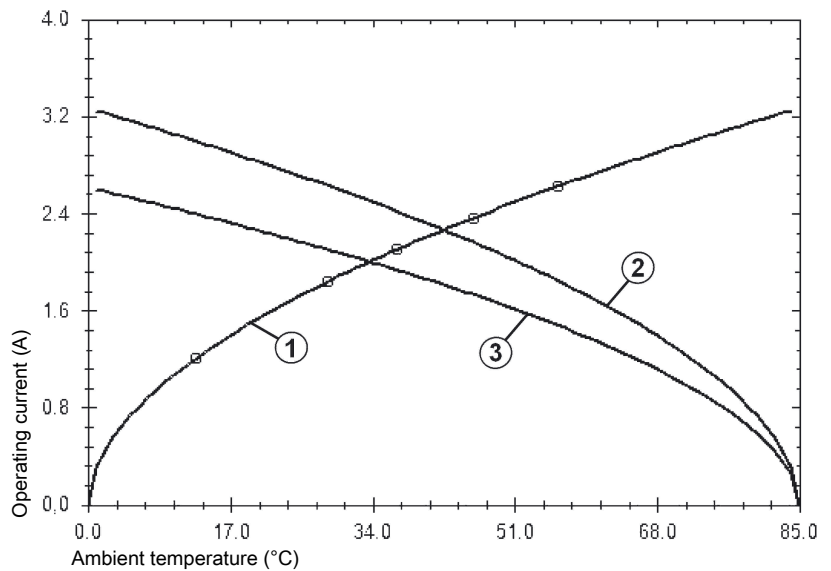
| | |
|----------------|--------------------------------|
| Specifications | IEC 61076-3-106 Variant 4 (V4) |
|----------------|--------------------------------|

Commercial data

| | |
|--------------------------------|--|
| Packaging size | 1 |
| Net weight | 1 g |
| Country of origin | Czechia |
| European customs tariff number | 85444290 |
| 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

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