

## PP-V4-CA-USB2A/USB2B-PP/PP-P-P-STR-0.5



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 45 445 4900                                                                        |
| Specification      | PP-V4-CA-USB2A/USB2B-PP/PP-P-P-STR-0.5                                                |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09454454900">https://b2b.harting.com/09454454900</a> |

### Identification

|               |                                         |
|---------------|-----------------------------------------|
| Category      | System cabling                          |
| Series        | USB                                     |
| Element       | Cable assemblies                        |
| Specification | Pre-assembled on both sides             |
| Connector 1   | HARTING PushPull (V4) USB 2.0<br>Type A |
| Connector 2   | HARTING PushPull (V4) USB 2.0<br>Type B |
| Type of cable | Copper cable (round)                    |

### Version

|                 |                             |
|-----------------|-----------------------------|
| Cable length    | 0.5 m                       |
| Shielding       | Shielded                    |
| Number of cores | 4                           |
| Core structure  | 2x AWG 26/7<br>2x AWG 24/11 |

### Technical characteristics

|                       |                            |
|-----------------------|----------------------------|
| Rated current         | 1.5 A                      |
| Rated voltage         | 30 V DC                    |
| Insulation resistance | $> 1.6 \times 10^6 \Omega$ |
| Contact resistance    | $\leq 30 \text{ m}\Omega$  |
| Limiting temperature  | -40 ... +85 °C             |
| Insertion force       | $\leq 35 \text{ N}$        |



Pushing Performance

## Technical characteristics

|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| Withdrawal force                       | ≥15 N                                               |
| Mating cycles                          | ≥750                                                |
| Degree of protection acc. to IEC 60529 | IP65<br>IP67                                        |
| Cable diameter                         | 4.9 mm                                              |
| Test voltage $U_{r.m.s.}$              | 0.5 kV (contact-contact)<br>0.5 kV (contact-ground) |
| Data rate                              | 480 Mbit/s                                          |
| Impedance                              | 90 $\Omega \pm 15 \%$                               |

## Material properties

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| Material (insert)                         | Liquid crystal polymer (LCP)                          |
| Material (contacts)                       | Copper alloy                                          |
| Surface (contacts)                        | Sn over Ni Termination side<br>Au over Ni Mating side |
| Material (cable)                          | PVC                                                   |
| Colour (cable)                            | Black                                                 |
| Material (overmoulding)                   | Polyamide (PA)                                        |
| Colour (overmoulding)                     | 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                                                    |

## Specifications and approvals

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

## Commercial data

|                                |          |
|--------------------------------|----------|
| Packaging size                 | 1        |
| Country of origin              | Malaysia |
| European customs tariff number | 85444290 |



Pushing Performance

## Commercial data

eCl@ss

27060390 Ready-made data cable (unspecified)

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