



Pushing Performance  
Since 1945

# PP-V4-CA-USB3A-PP/PP-P-P-STR-2.0



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

|                    |   |
|--------------------|---|
| Part number        | 09 45 445 2903  |
| Specification      | PP-V4-CA-USB3A-PP/PP-P-P-STR-2.0  |
| HARTING eCatalogue | <a href="https://harting.com/09454452903">https://harting.com/09454452903</a> |

## Identification

|               |   |
|---------------|---|
| Category      | System cabling                          |
| Series        | HARTING PushPull (V4)                   |
| Element       | Cable assemblies                        |
| Specification | Pre-assembled on both sides             |
| Connector 1   | HARTING PushPull (V4) USB 3.0<br>Type A |
| Connector 2   | HARTING PushPull (V4) USB 3.0<br>Type A |
| Type of cable | Copper cable (round)                    |

## Version

|                 |   |
|-----------------|---|
| Cable length    | 2 m                                       |
| Number of cores | 8   |
| Core structure  | 4x AWG 26/7<br>2x AWG 28/7<br>2x AWG 22/7 |
| Shielding       | Shielded                                  |

## Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 1.5 A                     |
| Rated voltage         | 30 V DC                   |
| Data rate             | 5 Gbit/s                  |
| Insulation resistance | $>10^8 \Omega$            |
| Contact resistance    | $\leq 30 \text{ m}\Omega$ |



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## Technical characteristics

|  |   |
|--|---|
| Limiting temperature                   | -40 ... +85 °C                                      |
| Insertion force                        | ≤35 N   |
| Withdrawal force                       | ≥15 N   |
| Mating cycles                          | ≥750  |
| Degree of protection acc. to IEC 60529 | IP65<br>IP67  |
| Cable diameter                         | 6.2 mm  |
| Test voltage $U_{r.m.s.}$              | 0.5 kV (contact-contact)<br>0.5 kV (contact-ground) |
| Impedance                              | 90 $\Omega$ ±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               | Not contained   |
| REACH ANNEX XIV substances                | Not contained   |
| REACH SVHC substances                     | Not contained   |
| California Proposition 65 substances      | Not contained   |

## Specifications and approvals

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

## Commercial data

|                |       |
|----------------|-------|
| Packaging size | 1     |
| Net weight     | 150 g |



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Commercial data

|                                |  |
|--------------------------------|--|
| Country of origin              | Malaysia                                     |
| European customs tariff number | 85444290                                     |
| GTIN                           | 5713140258198                                |
| eCl@ss                         | 27060390 Ready-made data cable (unspecified) |
| ETIM                           | EC002599                                     |
| UNSPSC 24.0                    | 26121600                                     |