Pushing Performance
Since 1945

# PP-V4-CA-USB2B/USB2A-PP/IP20-P-P-STR-1.5



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

| | |
|---|---|
| Part number | 09 45 445 4912 |
| Specification | PP-V4-CA-USB2B/USB2A-PP/IP20-P-P-STR-1.5 |
| HARTING eCatalogue | https://b2b.harting.com/09454454912 |

## Identification

| | |
|---|---|
| Category | System cabling |
| Series | HARTING PushPull (V4) |
| Element | Cable assemblies |
| Specification | Pre-assembled on both sides |
| Connector 1 | HARTING PushPull (V4) USB 2.0<br>Type B |
| Connector 2 | IP20 USB 2.0<br>Type A |
| Type of cable | Copper cable (round) |

## Version

| | |
|---|---|
| Cable length | 1.5 m |
| Number of cores | 4 |
| Core structure | 2x AWG 26/7<br>2x AWG 24/11 |
| Shielding | Shielded |

## Technical characteristics

| | |
|---|---|
| Rated current | 1.5 A |
| Rated voltage | 30 V DC |
| Data rate | 480 Mbit/s |
| Insulation resistance | > 1.6 x $10^6$ Ω |
| Contact resistance | ≤30 mΩ |
| Limiting temperature | -40 ... +85 °C |


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## Technical characteristics

| | |
|---|---|
| Insertion force | ≤35 N |
| 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) |
| Impedance | 90 Ω ±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 | Yes |
| California Proposition 65 substances | Naphthalene |

## Specifications and approvals

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

## Commercial data

| | |
|---|---|
| Packaging size | 1 |
| Net weight | 88.7 g |


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## Commercial data

| | |
|---|---|
| Country of origin | Malaysia |
| European customs tariff number | 85444290 |
| GTIN | 5713140262904 |
| ETIM | EC002599 |
| eCl@ss | 27060390 Ready-made data cable (unspecified) |


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