

## HPP mini Displayport cable;PP-IP20; 0,5m



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

|                    |                                                                               |
|--------------------|-------------------------------------------------------------------------------|
| Part number        | 09 45 145 1010                                                                |
| Specification      | HPP mini Displayport cable;PP-IP20; 0,5m                                      |
| HARTING eCatalogue | <a href="https://harting.com/09451451010">https://harting.com/09451451010</a> |

### Identification

|               |                             |
|---------------|-----------------------------|
| Category      | System cabling              |
| Series        | HARTING PushPull (V4)       |
| Element       | Cable assemblies            |
| Specification | Pre-assembled on both sides |
| Connector 1   | Mini DisplayPort            |
| Connector 2   | IP20                        |
| Type of cable | Copper cable (round)        |

### Version

|                 |            |
|-----------------|------------|
| Cable length    | 0.5 m      |
| Number of cores | 20         |
| Core structure  | 20x AWG 32 |
| Shielding       | Shielded   |

### Technical characteristics

|                              |                           |
|------------------------------|---------------------------|
| Rated current                | 0.5 A                     |
| Rated voltage                | 30 V                      |
| Transmission characteristics | DisplayPort 1.2 standard  |
| Data rate                    | 1.62 Gbit/s               |
|                              | 2.7 Gbit/s                |
|                              | 5.4 Gbit/s                |
| Insulation resistance        | $>10^7 \Omega$            |
| Contact resistance           | $\leq 30 \text{ m}\Omega$ |
| Limiting temperature         | -40 ... +80 °C            |



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## Technical characteristics

|                                        |                                                                                                                                                           |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insertion force                        | ≤50 N                                                                                                                                                     |
| Withdrawal force                       | ≥15 N                                                                                                                                                     |
| Mating cycles                          | ≥100                                                                                                                                                      |
| Degree of protection acc. to IEC 60529 | IP20<br>IP65 / IP67 mated condition                                                                                                                       |
| Cable diameter                         | 5 mm                                                                                                                                                      |
| Minimum bending radius                 | 10x Cable diameter                                                                                                                                        |
| Test voltage $U_{r.m.s.}$              | 0.5 kV (contact-contact)<br>0.5 kV (contact-ground)                                                                                                       |
| Impedance                              | 100 $\Omega$ ±10 %                                                                                                                                        |
| Vibration resistance                   | 10-2000 Hz, 15 g, 1.5 mm, sweep time: 20 min acc. to IEC 61373 Category 1<br>Class B<br>5.35 Gs RMS, 15 min/axes, 7.9 m/s <sup>2</sup> (random vibration) |
| Shock resistance                       | 25 g / 11 ms, 3 shocks / axis and direction<br>5 g / 30 ms, 3 shocks / axis and direction                                                                 |

## Material properties

|                                      |                                                       |
|--------------------------------------|-------------------------------------------------------|
| Material (contacts)                  | Copper alloy                                          |
| Surface (contacts)                   | Sn over Ni Termination side<br>Au over Ni Mating side |
| Material (cable)                     | TPE                                                   |
| Colour (cable)                       | Black                                                 |
| 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     | 39 g |



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Commercial data

|                                |                                              |
|--------------------------------|----------------------------------------------|
| Country of origin              | Malaysia                                     |
| European customs tariff number | 85444290                                     |
| GTIN                           | 5713140262355                                |
| eCl@ss                         | 27060390 Ready-made data cable (unspecified) |
| ETIM                           | EC002599                                     |
| UNSPSC 24.0                    | 26121600                                     |