

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



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

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Part number        | 09 45 145 1000                                                                        |
| Specification      | HPP mini Displayport cable; PP-PP; 0,5m                                               |
| HARTING eCatalogue | <a href="https://b2b.harting.com/09451451000">https://b2b.harting.com/09451451000</a> |

### Identification

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

### Version

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

### Technical characteristics

|                       |                           |
|-----------------------|---------------------------|
| Rated current         | 0.5 A                     |
| Rated voltage         | 30 V                      |
| Insulation resistance | $>10^7 \Omega$            |
| Contact resistance    | $\leq 30 \text{ m}\Omega$ |
| Limiting temperature  | -40 ... +80 °C            |
| Insertion force       | $\leq 50 \text{ N}$       |
| Withdrawal force      | $\geq 15 \text{ N}$       |
| Mating cycles         | $\geq 100$                |



Pushing Performance

## Technical characteristics

|                                        |                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Degree of protection acc. to IEC 60529 | IP20<br>IP65 / IP67 when mated                                                                                                                         |
| 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)                                                                                                    |
| Transmission characteristics           | DisplayPort 1.2 standard                                                                                                                               |
| Data rate                              | 1.62 Gbit/s<br>2.7 Gbit/s<br>5.4 Gbit/s                                                                                                                |
| Impedance                              | 100 $\Omega \pm 10 \%$                                                                                                                                 |
| Vibration resistance                   | 10-2000 Hz, 15 g, 1.5 mm, sweep time: 20 min acc. to IEC 61373 Category 1 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 | 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        |
| Net weight        | 56.33 g  |
| Country of origin | Malaysia |



Pushing Performance

## Commercial data

European customs tariff number 85444290

eCl@ss 27060390 Ready-made data cable (unspecified)