

## Ha-Vis EtherRail 4x2xAWG26/7 CAT7 1000m

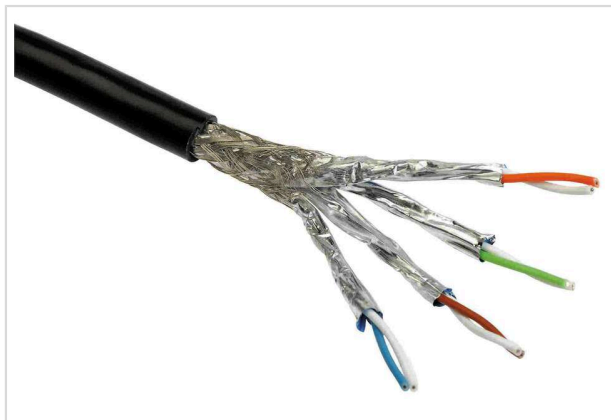


Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 09 45 600 0700  |
| Specification      | Ha-Vis EtherRail 4x2xAWG26/7 CAT7 1000m                                       |
| HARTING eCatalogue | <a href="https://harting.com/09456000700">https://harting.com/09456000700</a> |

### Identification

|                          |                          |
|--------------------------|--------------------------|
| Category                 | System cabling           |
| Element                  | Bulk cables              |
| Specification            | Not assembled            |
| Type of cable            | Copper cable (round)     |
| Description of the cable | for railway applications |

### Version

|                 |                |
|-----------------|----------------|
| Cable length    | 1,000 m        |
| Number of cores | 8              |
| Core structure  | 4x 2x AWG 26/7 |

### Technical characteristics

|                                       |                              |
|---------------------------------------|------------------------------|
| Transmission characteristics          | Cat. 7 Class F up to 600 MHz |
| Data rate                             | 10 Mbit/s                    |
|                                       | 100 Mbit/s                   |
|                                       | 1 Gbit/s                     |
|                                       | 2.5 Gbit/s                   |
|                                       | 5 Gbit/s                     |
|                                       | 10 Gbit/s                    |
| Limiting temperature                  | -40 ... +80 °C               |
| Cable diameter                        | 6.6 mm ± 0.2 mm              |
| Minimum bending radius                | 6x Cable diameter            |
| Test voltage $U_{r.m.s.}$             | 1 kV Wire / wire / shielding |
| Coupling attenuation @ 20 °C / 10 MHz | 5 mΩ/m                       |
| Conductor resistance @ 20 °C          | ≤145 Ω/km                    |



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## Technical characteristics

|                               |                |
|-------------------------------|----------------|
| Insulation resistance @ 20 °C | ≥5,000 MΩ x km |
| Signal run time @ 20 °C       | ≤4.4 ns/m      |
| Impedance @ 100 MHz           | 100 Ω ±5 %     |

## Material properties

|                                      |   |
|--------------------------------------|---|
| Material (cable)                     | Polyolefin copolymer electron beam crosslinked Comp 752 |
| 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        | EN 45545-2 Fire protection on railway vehicles |
|                       | EN 50264-1 Fire protection on railway vehicles |
|                       | EN 50306-1 Fire protection on railway vehicles |
|                       | NFPA 130 Fire protection on railway vehicles   |
|                       | UN/ECE-R 118 fire protection for rolling stock |
|                       | EN 50306-4 Resistance to ozone                 |
|                       | EN 60811-504 High low temperature resistance   |
|                       | EN 60811-404 High oil resistance               |
|                       | EN 60811-404 High fuel resistance              |
|                       | EN 60811-404 Alkali resistance                 |
|                       | EN 60811-404 Acid resistance                   |
|                       | DIN 51900 Low fire load                        |
| EN 50618 UV resistant |  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 54 g/m   |
| Country of origin              | Germany  |
| European customs tariff number | 85444290                                       |
| GTIN                           | 5713140273689                                  |
| eCl@ss                         | 27061801 Data and communication cable (copper) |
| ETIM                           | EC003249                                       |



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## Commercial data

UNSPSC 24.0

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