

Ha-Vis EtherRail 4x2xAWG24/7 CAT7 50m



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

| | |
|--------------------|---|
| Part number | 09 45 600 0693 |
| Specification | Ha-Vis EtherRail 4x2xAWG24/7 CAT7 50m |
| HARTING eCatalogue | https://b2b.harting.com/09456000693 |

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 | 50 m |
| Number of cores | 8 |
| Core structure | 4x 2x AWG 24/7 |

Technical characteristics

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|--|--|
| Transmission characteristics | Cat. 7 Class II up to 2000 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 unmoved -25 ... +70 °C moved |
| Cable diameter | 8.1 mm ± 0.3 mm |
| Minimum bending radius | 6x Cable diameter |
| Test voltage $U_{r.m.s.}$ | 1 kV Wire / wire / shielding |
| Coupling attenuation @ 20 °C / 100 MHz | 5 mΩ/m |



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Technical characteristics

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|-------------------------------|----------------|
| Conductor resistance @ 20 °C | ≤84 Ω/km |
| 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

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|-----------------------------|---|
| 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 |

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 | 3,865 g |
| Net weight | 75 g/m |
| Country of origin | Switzerland |
| European customs tariff number | 85444993 |
| GTIN | 5713140273641 |



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27061801 Data and communication cable (copper)