

## Ha-Vis EtherRail 4xAWG22/7 bl CAT5 500m

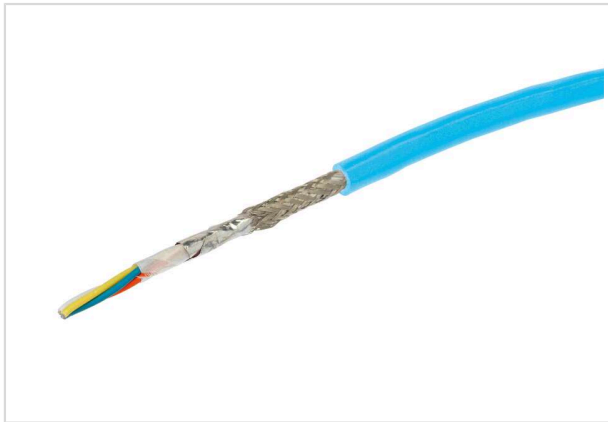


Image is for illustration purposes only. Please refer to product description.

|                    |   |
|--------------------|---|
| Part number        | 09 45 600 1430  |
| Specification      | Ha-Vis EtherRail 4xAWG22/7 bl CAT5 500m                                       |
| HARTING eCatalogue | <a href="https://harting.com/09456001430">https://harting.com/09456001430</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    | 500 m       |
| Number of cores | 4           |
| Core structure  | 4x AWG 22/7 |

### Technical characteristics

|                                       |  |
|---------------------------------------|--|
| Transmission characteristics          | Cat. 5 Class D up to 100 MHz                   |
| Data rate                             | 10 Mbit/s<br>100 Mbit/s                        |
| Limiting temperature                  | -40 ... +85 °C unmoved<br>-25 ... +70 °C moved |
| 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 | 8 mΩ/m   |
| Conductor resistance @ 20 °C          | ≤54.4 Ω/km                                     |
| Insulation resistance @ 20 °C         | ≥5,000 MΩ x km                                 |
| Signal run time @ 20 °C               | ≤4.4 ns/m                                      |



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## Technical characteristics

|                     |            |
|---------------------|------------|
| Impedance @ 100 MHz | 100 Ω ±5 % |
|---------------------|------------|

## Material properties

|                                      |   |
|--------------------------------------|---|
| Material (cable)                     | Polyolefin copolymer electron beam crosslinked Comp 752 |
| Colour (cable)                       | Blue  |
| 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      |  |

## Commercial data

|                                |  |
|--------------------------------|--|
| Packaging size                 | 1  |
| Net weight                     | 47,000 g                                       |
| Net weight                     | 61 g/m   |
| Country of origin              | Switzerland                                    |
| European customs tariff number | 85444290                                       |
| GTIN                           | 5713140062344                                  |
| eCl@ss                         | 27061801 Data and communication cable (copper) |
| ETIM                           | EC003249                                       |
| UNSPSC 24.0                    | 26121609                                       |