

Ha-Vis EtherRail 4xAWG22/7 bl CAT5 100m



Part number	09 45 600 1420
Specification	Ha-Vis EtherRail 4xAWG22/7 bl CAT5 100m
HARTING eCatalogue	https://harting.com/09456001420

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

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	100 m
Number of cores	4
Core structure	4x AWG 22/7

Technical characteristics

Transmission characteristics	Cat. 5 Class D up to 100 MHz
Data rata	10 Mbit/s
Data rate	100 Mbit/s
Limiting temperature	-40 +85 °C unmoved
Limiting temperature	-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 %	Impedance @ 100 MHz	100 Ω ±5 %	
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Material properties

Material (cable)	Polyolefin copolymer electron beam crosslinked Comp 752
Colour (cable)	Blue
RoHS	compliant
ELV status	compliant
China RoHS	е
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

Commercial data

Packaging size	1
Net weight	6,300 g
Net weight	61 g/m
Country of origin	Switzerland
European customs tariff number	85444991
GTIN	5713140062337
eCl@ss	27061801 Data and communication cable (copper)
ETIM	EC003249
UNSPSC 24.0	26121609

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