

Ha-Vis EtherRail 4x2xAWG24/7 CAT7 50m



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

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

Identification

0.1	
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	
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
Data rate Limiting temperature	100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s
	100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s -40 +80 °C unmoved
Limiting temperature	100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s -40 +80 °C unmoved -25 +70 °C moved
Limiting temperature Cable diameter	100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s -40 +80 °C unmoved -25 +70 °C moved 8.1 mm ± 0.3 mm
Limiting temperature Cable diameter Minimum bending radius	100 Mbit/s 1 Gbit/s 2.5 Gbit/s 5 Gbit/s 10 Gbit/s -40 +80 °C unmoved -25 +70 °C moved 8.1 mm ± 0.3 mm 6x Cable diameter

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Technical characteristics

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

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

	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
Specifications	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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Commercial data

eCl@ss

27061801 Data and communication cable (copper)

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