

Ha-Vis EtherRail 4xAWG22/7 bk CAT5 10m



Part number	09 45 600 0168
Specification	Ha-Vis EtherRail 4xAWG22/7 bk CAT5 10m
HARTING eCatalogue	https://b2b.harting.com/09456000168

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	10 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 100 Mbit/s
Limiting temperature	-40 +85 °C unmoved -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 / 100 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

Page 1 / 3 | Creation date 2023-08-31 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com



Technical characteristics

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	Yes
California Proposition 65 substances	Antimony trioxide

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	686 g
Net weight	61 g/m
Country of origin	Switzerland
European customs tariff number	85444290
GTIN	5713140273351
ETIM	EC003249

Page 2 / 3 | Creation date 2023-08-31 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com Product data sheet 09 45 600 0168 Ha-Vis EtherRail 4xAWG22/7 bk CAT5 10m



Commercial data

eCl@ss

27061801 Data and communication cable (copper)

Page 3 / 3 | Creation date 2023-08-31 | Please note that the data specified here were taken as extracts from the online catalogue. Please refer to the user documentation for the complete and up-to-date information and data. Please also note that the user is responsible for validating functionality, conformity with applicable laws and directives, as well as for the electrical safety in the particular application. HARTING Customised Solutions GmbH & Co. KG | In der Tütenbeke 22 | 32339 Espelkamp | Germany Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com