

# Ha-Vis EtherRail 4x2xAWG24/7 CAT7 1000m



Part number	09 45 600 0690
Specification	Ha-Vis EtherRail 4x2xAWG24/7 CAT7 1000m
HARTING eCatalogue	https://b2b.harting.com/09456000690

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 1,000 m Number of cores 8 4x 2x AWG 24/7 Core structure **Technical characteristics** Transmission characteristics Cat. 7 Class II up to 2000 MHz 10 Mbit/s 100 Mbit/s 1 Gbit/s Data rate 2.5 Gbit/s 5 Gbit/s 10 Gbit/s -40 ... +80 °C unmoved Limiting temperature -25 ... +70 °C moved Cable diameter 8.1 mm ± 0.3 mm Minimum bending radius 6x Cable diameter

 Test voltage U<sub>r.m.s.</sub>
 1 kV Wire / wire / shielding

 Coupling attenuation @ 20 °C / 100 MHz
 5 mΩ/m

Page 1 / 3 | Creation date 2023-01-17 | 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**

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	12,000 g
Net weight	75 g/m
Country of origin	Switzerland
European customs tariff number	85444290
GTIN	5713140273610

Page 2 / 3 | Creation date 2023-01-17 | 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



Commercial data

eCl@ss

27061801 Data and communication cable (copper)

Page 3 / 3 | Creation date 2023-01-17 | 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