

Ha-Vis EtherRail 4x2xAWG24/7 CAT7 50m

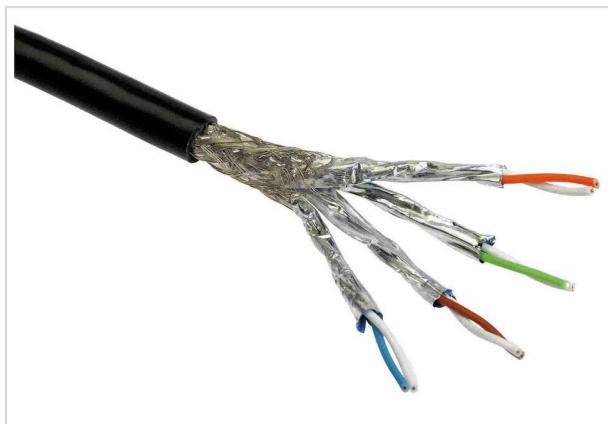


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Part number	09 45 600 0693
Specification	Ha-Vis EtherRail 4x2xAWG24/7 CAT7 50m
HARTING eCatalogue	https://harting.com/09456000693

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	50 m
Number of cores	8
Core structure	4x 2x AWG 24/7

Technical characteristics

Transmission characteristics	Cat. 7 Class F up to 600 MHz
Data rate	10 Mbit/s
	100 Mbit/s
	1 Gbit/s
	2.5 Gbit/s
	5 Gbit/s
	10 Gbit/s
Limiting temperature	-40 ... +80 °C unmoved -25 ... +70 °C moved
Cable diameter	8.1 mm ± 0.3 mm
Minimum bending radius	6x Cable diameter
Test voltage U _{r.m.s.}	1 kV Wire / wire / shielding
Coupling attenuation @ 20 °C / 10 MHz	5 mΩ/m

Technical characteristics

Conductor resistance @ 20 °C $\leq 84 \Omega/\text{km}$

Insulation resistance @ 20 °C $\geq 5,000 \text{ M}\Omega \times \text{km}$

Signal run time @ 20 °C $\leq 4.4 \text{ ns/m}$

Impedance @ 100 MHz $100 \Omega \pm 5 \%$

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

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 EN 50618 UV resistant
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Commercial data

Packaging size	1
Net weight	3,710 g
Net weight	75 g/m
Country of origin	Switzerland
European customs tariff number	85444993
GTIN	5713140273641
eCl@ss	27061801 Data and communication cable (copper)

Commercial data

ETIM	EC003249
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UNSPSC 24.0	26121609
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