Pushing Performance
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Ha-Vis EtherRail 4x2xAWG26/7 CAT7 500m

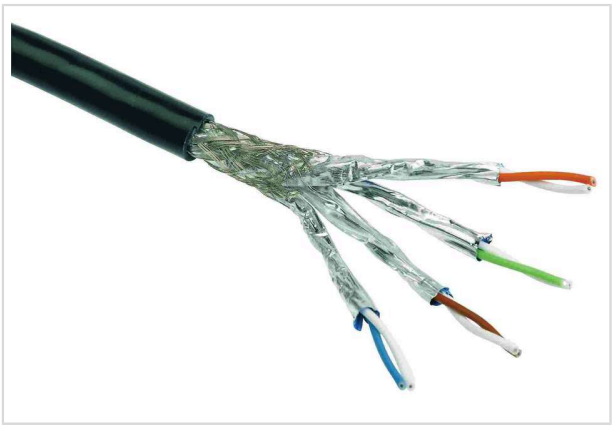


Image is for illustration purposes only. Please refer to product description.

Part number	09 45 600 0701
Specification	Ha-Vis EtherRail 4x2xAWG26/7 CAT7 500m
HARTING eCatalogue	https://b2b.harting.com/09456000701

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	500 m
Number of cores	8
Core structure	4x 2x AWG 26/7

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
Limiting temperature	-40 ... +80 °C
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	5 mΩ/m
Conductor resistance @ 20 °C	≤145 Ω/km

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Technical characteristics

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
California Proposition 65 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

Commercial data

Packaging size	1
Net weight	54 g/m
Country of origin	Germany
European customs tariff number	85444995
GTIN	5713140273696
ETIM	EC003249

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Commercial data

eCl@ss	27061801 Data and communication cable (copper)

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