HARTING®

Pushing Performance

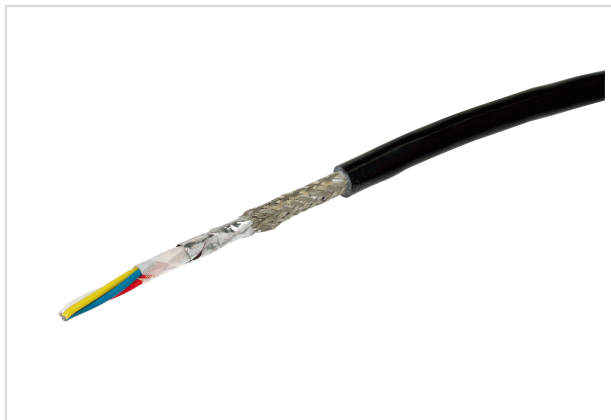# Ha-Vis EtherRail 4xAWG22/7 bk CAT5 500m

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

Part number	09 45 600 0118
Specification	Ha-Vis EtherRail 4xAWG22/7 bk CAT5 500m
HARTING eCatalogue	https://b2b.harting.com/09456000118

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	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

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Phone +49 5772 47-0 | info@HARTING.com | www.HARTING.com

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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	No
REACH ANNEX XIV substances	No
REACH SVHC substances	No
California Proposition 65 substances	Yes
California Proposition 65 substances	Antimony trioxide

Specifications and approvals

Specifications	EN 45545-2 (HL 1-3) fire protection in railway vehicles
	EN 50264-1 fire protection in railway vehicles
	EN 50306-1 fire protection in railway vehicles
	NFPA 130 fire protection in 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	33,700 g
Net weight	61 g/m
Country of origin	Germany
European customs tariff number	85444290
eCl@ss	27061801 Data and communication cable (copper)

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