



**Ha-VIS EtherRail®**  
 stranded cable, Cat. 5e, 4-wire  
 for installation within and outside rail vehicles

PE	<input checked="" type="checkbox"/>	8 wire	<input type="checkbox"/>	4 wire	<input checked="" type="checkbox"/>	Cat. 5e	<input checked="" type="checkbox"/>	Cat. 6	<input type="checkbox"/>	Cat. 6A	<input type="checkbox"/>	Cat. 7	<input type="checkbox"/>
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Cable structure	Star quad, double shielding
Core structure	4 x AWG 22/7, tinned copper wire, stranded
Wire insulation	PE-Foam Skin, Ø 1.5 mm
Sheath material	Elastomer, electron beam cross-linked
Cable sheath diameter	6.6 +/-0.2 mm
Transmission performance	Category 5e / Class D up to 100 MHz acc. to ISO/IEC 11 801:2002, EN 50 173-1
Transmission rate	10/100 Mbit/s
Shielding	Shielding foil and shielding braid
Operating temperature range	-40 °C ... +90 °C
Standard lengths	100 m / 500 m / 1000 m
Colour	Black
Tests / Certificats	Tests and certificats acc. to DIN, N FF, BS and ASTM, detail information see Technical Data sheet

**Advantages**

- Robust design
- Fire protection acc. to EN 45 545-1, -2 and -5
- Flame-retardant and heat resistant acc. to DIN 5510 (1-4) and EN 50 264-1
- UV protected
- RoHS compliant
- Halogen free
- small Ø permits RJ45 assembly

Identification	Part number Elastomer	Drawing	Dimensions in mm
Ha-VIS EtherRail® stranded cable, Cat. 5e 4-wire  100 m ring 500 m drum 1000 m drum	Black  09 45 600 0108 09 45 600 0118 09 45 600 0128		

4 wire