

SAVAX-DEVICENET



Construction

- **Conductor** : Standed tinned copper wire
- **Insulation** : Data Pair (Form-skin PE)
Power Supply (PE)
- **Core identification** : Data Pair (White and blue)
Power Supply (Black, Red)
- **Unit** : Required cores shall be pairing
- **Individual shield pair** : AL / PS tape for each pair (Aluminium outside)
- **Overall shield** : Tinned copper wire braiding (cov. nom. 65%)
- **Sheath** : FR-PVC, Violet(RAL 4001)
- **Cable diameter** : 6,9 mm (± 0,3 mm)
- **Cable Weight** : approx. 72 kg/km

FIRE PERFORMANCE

Flame retardant	in compliance with UL 1581 § 1061, CSA FT1 and IEC 60332.1 Standard requirements
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STANDARD REFERENCE

Standard reference	IEC 61158, IEC 62026-3
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Electrical and transmission properties @ 20°C

Max DC conductor resistance	78,0 Ω/km (data pair)
	54,0 Ω/km (power supply)
Capacitance core/core	40 nF/km (data pair)
Characteristic impedance	120 Ω (± 10%) (data pair)
Attenuation	0,9 dB/100m @100 kHz (data pair)
	1,6 dB/100m @500 kHz (data pair)
	1,9 dB/100m @1000 MHz (data pair)
Dielectric test voltage	2,0 kVac / 1 min
Min insulation resistance	5,0 GΩ x km
Transfer impedance	15 mΩ/m

Other properties

Temperature rating (fixed)	-20°C/+80°C
Temperature rating (dynamic)	0°C/+60°C
Min. bend radius (fixed)	5 x outer Ø (fixed use)
Min. bend radius (dynamic)	10 x outer Ø (flexible use)
Max. translation speed	3,0 m/sec (subject to correct installation)
Max. acceleration	3,0 m/sec ² (subject to correct installation)