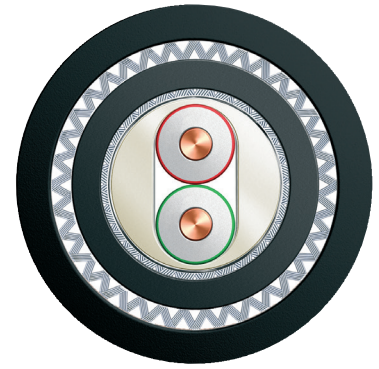


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Cable Design

Wire

Conductor	Solid bare copper wire (18awg)	Ø 1,05 mm
Insulation	Foamed Polyethylene (PE) with skin	Ø 2,55 mm

Core

Pair	2 wires twisted to a pair (RD-GN)	
Tape	Plastic tape overlapped	
Easystrip Jacket	Soft Thermoplastic copolymer	Ø 5,40 mm
Screen	Aluminium foil overlapped	
Braid	Tinned copper wire braid, 85% coverage	Ø 6,20 mm

Inner Jacket Low Smoke Zero Halogen (LSZH) Ø 8,0 ± 0,40 mm

Armour DataGuard® Galvanised Steel Wire Braid (GSWB)

Outer Jacket SHF-1, UV-resistant, Black or Blue Ø 11,40 ± 0,40 mm

Characteristics

- Onshore / Offshore applications
- Mechanical protection
- Flexible Installation
- Rodent Protection
- UV-Stable and colourfast
- Flame retardant acc. to IEC 60332-3-24
- Halogen Free acc. to IEC 60754-1/2
- Smoke density acc. to IEC 61034-1/2
- IEC 60092-359



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Electrical Data @ 20°C

Conductor resistance		≤	22	Ohm/km
Insulation resistance		≥	10	MOhm*km
Capacitance (1 kHz) wire/wire		≈	50	nF/km
Capacitance (1 kHz) wire/screen		≈	92	nF/km
Characteristic Impedance	31,25 kHz		100±20	Ohm
Attenuation	39 kHz	≤	3	dB/km
Capacitance unbalance e		≤	2	nF/km
Inductance	31,25 kHz		650	μH/km
Surface transfer impedance	20 MHz	≤	5	mOhm/m
Rel. Velocity of Propagation		≈	81	%
Operating voltage			100	V
UL-Rating			600	V
Test Voltage (wire/wire/screen rms 50Hz 1 min.)			2000	V

Mechanical & Thermal Characteristics

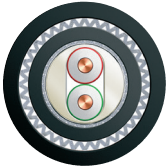
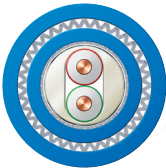
Permissible temperature range		-25 ~ +80	°C
Min. Bending radius		10	x Ø (see Ø tolerance)
Weight (approx.)		236	kg/km

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Specification

Part Number	Cross Section	Type
24L45467-J20-C46		Black PROFIBUS PA ES, cable for Onshore/Offshore applications (easy to strip), 2x18AWG1 DataGuard® (GSWB)/LSZH FireFighter®
24L45467-J20-C86		Blue PROFIBUS PA ES, cable cable for Onshore/Offshore applications in hazardous Ex-areas (easy to strip), 2x18AWG1, DataGuard® (GSWB)/LSZH FireFighter®

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