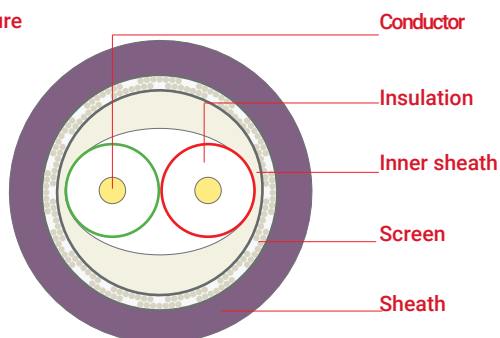




Cable structure



Electrolytic copper wire, Ø 22AWG

Physical foam PE, Ø 2.55 mm, a(N) wire - green / b(P) wire - red
70°C, EN 50290-2-23

PVC - Natural, Ø 5.50 mm
LSZH/LS0H - Natural, Ø 5.50 mm

Al-Pet foil min. 100% coverage
Tinned braided copper wire, 85% coverage

PVC - RAL 4001 Purple, Ø 8.0 mm
TM51 70°C, EN 50290-2-22
LSZH/LS0H - RAL4001 Purple, Ø 8.0 mm
70°C, EN 50290-2-27

Application

Efficient high-speed data transmission in industrial automation applications. Easy-to-install and cost-effective thanks to the master/slave connection over a single bus cable.

IEEE 802.3:10Base-T; 100Base-T; 1000Base-T IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet (PoE) / PoE+

Standards IEC 61158, EN 50170

Fire performance

Vertical flame propagation EN 60332-1-2 (PVC-LSZH)
Corrosive gas EN 60754-1/2 (LSZH)
Smoke density EN 61034-2 (LSZH)

EU declaration of conformity

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

Specifications

Temperature range		-20°C ...+70°C
Bending radius	min.	15 x D
Loop resistance	max.	110 Ω/km
Screen resistance	nom.	9 Ω/km
Insulation resistance	min.	5000 MΩ x m
Capacitance	nom.	28.5 pF/m
Rated impedance		150 ± 15 Ω
Velocity of propagation		78%
Test voltage		1500 V
Operating voltage	max.	300 V
Attenuation @20°C	max.	
	9.6 kHz	0.30 dB/100 m
	38.4 kHz	0.40 dB/100 m
	4 MHz	2.20 dB/100 m
	16 MHz	4.20 dB/100 m

Specifications may vary depending on technical modifications.