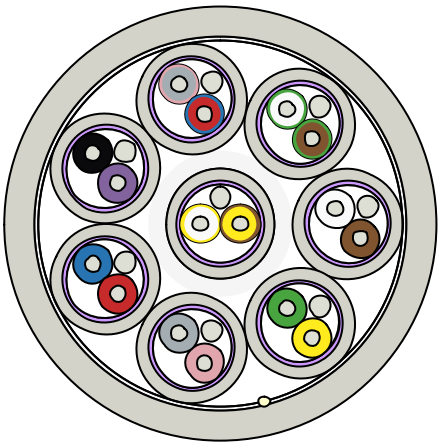
TwipLink®

8 Lines 100Ω 26AWG LSZH



Design

Wire:
Tinned copper wire (26AWG) ø 0.4 mm (0,016 in)
Insulation of LEONIZELL®Skin-Foam-Skin ø 1.0 mm (0.039 in)

Screened pair:
2 wires twisted to a pair
Tinned copper drain wire ø 0.4 mm (26AWG)
Alulaminate foil overlapped
Inner jacket: Thermoplastic copolymer (FRNC) GY, number printed
Wall thickness about 0.25 mm ø (2.6 ±0.15) mm (0.102 ±0.006 in)

Core:
Central element: 1 screened pair, number: 8-EIGHT - WHYE/YEBN
Plastic tape, overlapped
1. layer: 7 screened pairs number: 1-ONE - WH/BN, number: 2-TWO - GN/YE
number: 3-THREE - GY/PK, number: 4-FOUR- BU/RD
number: 5-FIVE - BK/VT, number: 6-SIX - GYPK/RDBU,
number: 7-SEVEN - WHGN/BNGN
Plastic tape, overlapped

PLU030068

LEONI Special Cables GmbH

THE QUALITY CONNECTION
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Wire · Cable · Wiring Systems

Jacket:
Ripcord under the jacket
Thermoplastic copolymer (FRNC) GY
Wall thickness about 0.45 mm ø (9.5 ± 0.2) mm (0.374 ± 0.008 in)

Printing: "sequential length in metres" * LEONI High Speed Cables TwipLink® 100 Ω LSZH
"internal number"

Electrical data at 20°C

Conductor resistance	≤	150	Ohm/km
Insulation resistance	≥	200	MOhm*km
Operating voltage (peak)	≤	100	V
Characteristic impedance (1 MHz)		(100 ± 15)	Ohm
Capacitance (1 kHz)	≈	46	nF/km
rel. velocity of propagation		76	%
Time Delay		4.4	ns/m

Frequency (MHz)	0.1	1	10
Attenuation typ. (dB/100m) (dB/100ft)	1 (0,3)	4,3 (1,3)	11 (3,4)

Near-end crosstalk attenuation (1 MHz)	≥	70	dB
Test voltage (wire/wire/screen rms 50Hz 1min)	=	500	V

Mechanical and thermal characteristic
Conductor material acc. to DIN EN 13602 Cu-ETP-A...
Screen material acc. to DIN EN 13602 Cu-ETP-A...-B
Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)
Jacket material acc. to DIN EN 50290-2-27 (HD 624.7)
Flame retardant acc. to IEC 60332-1-2
Determination of the amount of halogen acid gas acc. IEC 60754-1 0.6 mg/g

UL-Style 21283

Application / Special feature:
Permissible temperature range : -20 °C (-4 °F) up to 70 °C (158 °F)
Min. bending radius allowed : repeated 10X ø, single 5X ø
Weight about : 70,5 Kg/km (47,3 lb/1000ft)