

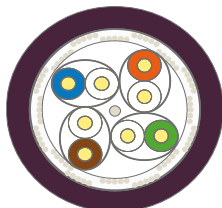
SL900 S/F23 Category 7 S/FTP 4x2x23AWG

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Data Cables



Cable construction

Conductor	Bare copper wire, \emptyset 23AWG
Insulation	Physical foam PE, Color Code:TIA 568 70°C, EN 50290-2-23
Screen (Pair)	Plastic coated aluminium foil 100% coverage Tinned copper drain wire, \emptyset 26AWG
Screen	Brading of tinned copper wires
Sheath	LSZH/LSOH - RAL 4007 Purple, \emptyset 7,30mm 70°C, EN 50290-2-27

Application

In data processing and information systems, the cable capable of transmitting analog and digital signal at 10 Gbit/s with a frequency of 600 MHz, suitable for 10 Gigabit Ethernet, is designed with using physical foaming technology in its production for data, audio and video applications. The cable meets standards related with structured cabling systems such as ANSI EIA/TIA 568, ISO/IEC 11801 ve EN 50173 Class F.

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

Fire Performances

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

Technical information

Temperature range		
installation		0 °C ... +50 °C
in operation		-20 °C ... +60 °C

Bending radius		
during installation	min.	4 x D
as installed	min.	8 x D

DC resistance	max.	75 Ω /km
Resistance unbalance	max.	2%
Insulation resistance	min.	5000 M Ω x km
Mutual capacitance	nom.	44 pF/m
Capacitance unbalance	max.	1600 pF/km
Characteristic impedance		100 \pm 5 Ω @100MHz
Velocity of propagation		76-80%
Propagation delay	max.	440 ns/100m
Delay skew	max.	25 ns/100m

Standards

ISO/IEC 11801 2nd ed., IEC 61156-5
EN 50173-1

EU Declaration of Conformity
LVD Low Voltage Directive 2014/35/EC
RoHS EC Directive 2015/863/EU

Specifications are subject to the technical modification.

DATASHEET



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Data Cables

Frequency [MHz]	Attenuation [dB/100m] max.	NEXT [dB] max.	PS-NEXT [dB] max.	ACR [dB/100m] max.	PS-ACR [dB/100m] max.	ACR-F [dB/100m] max.	PS-ACR-F [dB/100m] max.	RL [dB]
1	2	78	75	76	73	78	75	20
4	3,7	78	75	74,3	71,3	78	75	23
10	5,9	78	75	72,1	69,1	74	71	25
100	19	72,4	69,4	53,4	50,4	54	51	20,1
200	27,5	67,9	64,9	40,4	37,4	48	45	18
250	31	66,4	63,4	35,5	32,5	46	43	17,3
500	45,3	61,9	58,9	16,7	13,7	40	37	17,3
600	50,1	60,7	57,7	10,6	7,6	38,4	35,4	17,3

Part no.	Cable construction	Outer dia. approx. [mm]	Cu content [kg/km]	Cable weight [kg/km]	Sheath - Color
507001	SL900 S/F23 LSZH Category 7 S/FTP 4x2x23AWG	7,3	26	56	 Purple (RAL 4007)

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