

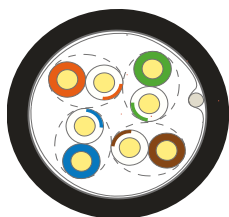
SL200 F/U24 PE Category 5e F/UTP

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Data Cables



Cable construction

Conductor	Bare copper wire, \varnothing 24AWG
Insulation	HDPE, Color Code:TIA 568 80°C, EN 50290-2-23
Screen	Plastic coated aluminium foil 100% coverage Tinned copper drain wire, \varnothing 26AWG
Sheath	PE - RAL 9011 Black, \varnothing 6,20mm 80°C, EN 50290-2-24

Application

In data processing and information systems, the cable capable of transmitting analog and digital signal at 1 Gbit/s with a frequency of 100MHz, suitable for 1 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 D

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Power over Ethernet (PoE) / PoE+

Standards

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

EN 50173-1, EN 50288-2-1

ANSI/TIA-568.2-D

Technical information

Temperature range -40 °C ... +80 °C

Bending radius

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

EU Declaration of Conformity

LVD Low Voltage Directive 2014/35/EC

RoHS EC Directive 2015/863/EU

Crush resistance	min.	1000 N/10cm
DC resistance	max.	95 Ω /km
Resistance unbalance	max.	2%
Insulation resistance	min.	5000 M Ω x km
Mutual capacitance	nom.	50 pF/m
Capacitance unbalance	max.	1600 pF/km
Characteristic impedance		100 \pm 5 Ω @100MHz
Velocity of propagation		67-69%
Propagation delay	max.	537 ns/100m
Delay skew	max.	45 ns/100m
Testing voltage		1000 V
TCL	min.	Level 2
Coupling attenuation		Type II
Transfer impedance		Grade 2

Specifications are subject to the technical modification.

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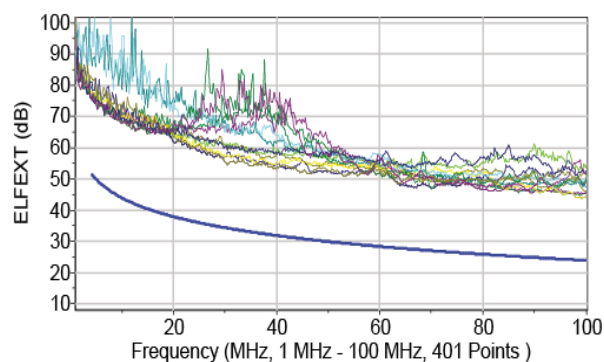
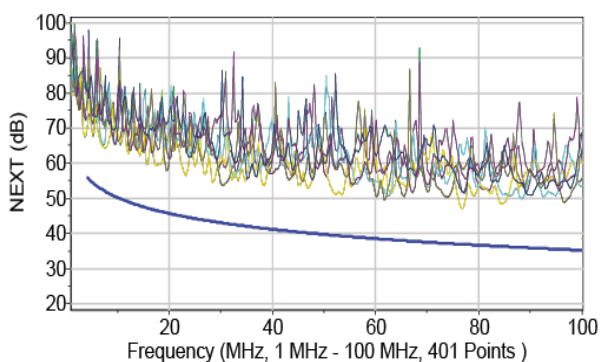
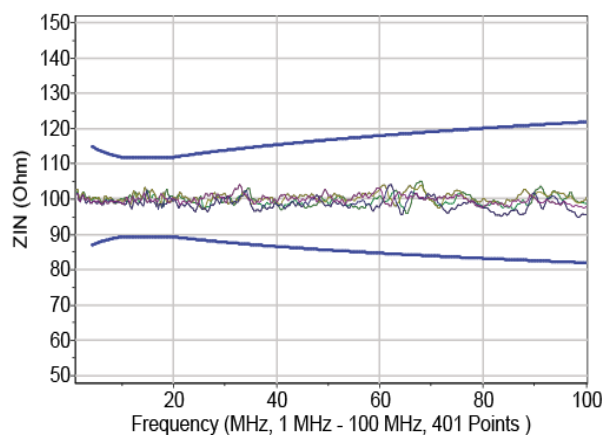
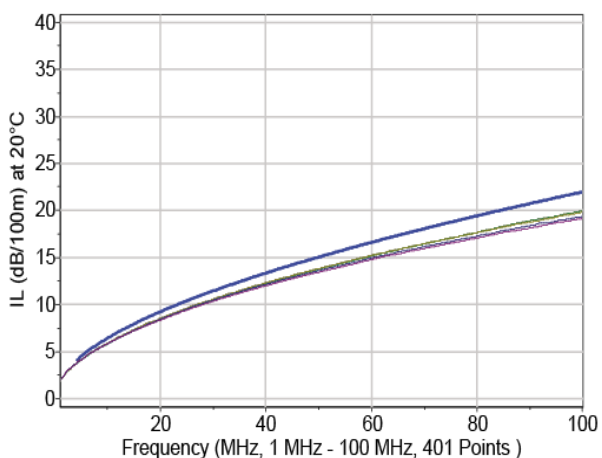
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Data Cables

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	2,1	65,3	62,3	63,2	60,2	64	61	20
4	4	56,3	53,3	52,3	49,3	52	49	23
10	6,3	50,3	47,3	44	41	44	41	25
16	8,1	47,2	44,2	39,2	36,2	39,9	36,9	25
31,25	11,4	42,9	39,9	31,5	28,5	34,1	31,1	23,6
62,5	16,5	38,4	35,4	21,8	18,8	28,1	25,1	21,5
100	21,4	35,3	32,3	14	11	24	21	20,1



Part no.	Cable construction	Outer dia. approx. [mm]	Cu content [kg/km]	Cable weight [kg/km]	Sheath - Color	Packing [m]
505008	SL200 F/U24 PE Category 5e F/UTP 4x2x24AWG	6,2	16	32	Black (RAL 9011)	500/1000

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