

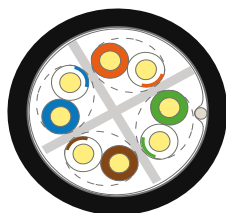
SL400 F/U23 PE Category 6 F/UTP

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Data Cables



Cable construction

Conductor	Bare copper wire, Ø 23AWG
Insulation	HDPE, Color Code:TIA 568 80°C, EN 50290-2-23
Cross separator	PE
Screen	Plastic coated aluminium foil 100% coverage Tinned copper drain wire,Ø 26AWG
Sheath	PE - RAL 9011 Black, Ø 6,90mm 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 250 MHz, 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 E

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

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Power over Ethernet (PoE) / PoE+

Technical information

Temperature range	-40 °C ... +80 °C	
Bending radius		
during installation	min.	4 x D
as installed	min.	8 x D
Crush resistance	min.	1000 N/10cm
DC resistance	max.	95 Ω/km
Resistance unbalance	max.	2%
Insulation resistance	min.	5000 MΩ x km
Mutual capacitance	nom.	50 pF/m
Capacitance unbalance	max.	1600 pF/km
Characteristic impedance		100 ± 5 Ω @100MHz
Velocity of propagation		67-69%
Propagation delay	max.	537 ns/100m
Delay skew	max.	45 ns/100m
Testing voltage		1000 V

Standards

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

EN 50173-1, EN 50288-5-1

ANSI/TIA-568.2-D

EU Declaration of Conformity

LVD Low Voltage Directive 2014/35/EU

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	2,1	75	72	72,9	69,9	68	65	20
4	3,8	66,3	63,3	62,4	59,4	56	53	23
10	6	60,3	57,3	54,3	51,3	48	45	25
16	7,6	57,2	54,2	49,6	46,6	43,9	40,9	25
31,25	10,8	52,9	49,9	42,1	39,1	38,1	35,1	23,6
62,5	15,5	48,4	45,4	32,9	29,9	32,1	29,1	21,5
100	19,9	45,3	42,3	25,4	22,4	28	25	20,1
250	33	39,3	36,3	6,3	3,3	20	17	17,3
300	-	-	-	-	-	-	-	-
400	-	-	-	-	-	-	-	-

Part no.	Cable construction	Outer dia. approx. [mm]	Cu content [kg/km]	Cable weight [kg/km]	Sheath - Color	Packing [m]
506026	SL400 F/U23 PE Category 6 F/UTP 4x2x24AWG	6,9	18	38	■ Black (RAL 9011)	500/1000

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