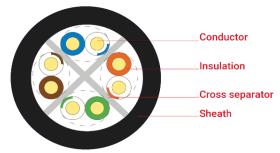


SYS400 U23 PE Category 6 U/UTP 4x2x23AWG



Cable structure



Conductor: Electrolytic copper wire, Ø 23AWG

Insulation: HDPE in compliance with TIA 586 insulation colour

coding 80°C, EN 50290-2-23

Sheath: PE - RAL 9011 Black, Ø 6.0 mm 80°C, EN 50290-2-24

Applications

This data cable range is designed for analogue and digital signaltransmission in audio, video and data applications in data communication systems supporting 250 MHz, 1.0 Gbit/s 1 Gigabit Ethernet. Cables meet the requirements of structural cabling standards including ANSI EIA/TIA 568, ISO/IEC 11801 and 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+

Standards

ISO/IEC 11801 2nd ed., IEC 61156-5 EN 50173-1, EN 50288-6-1 ANSI EIA/TIA 568-C.2

EU declaration of conformity

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

?????5?62?

Temperature range	fixed		-20°C+60°C
	flexing		0°C+50°C
Bending radius	fixed	min.	4 x D
benuing radius	flexing	min.	8 x D
Tensile strength		max.	100 N
Crushing strength		min.	1000 N/10 cm
Impact strength		min.	10 impacts
Conductor resistance		max.	85 Ω/km
Resistance imbalance		max.	2%
Insulation resistance		min.	5000 M Ω x m
Capacitance		nom.	50 pF/m
Capacity imbalance		max.	1600 pF/km
Rated impedance			$100 \pm 5 \Omega$
•			@100 MHz
Velocity of propagation			67-69%
Propagation delay		max.	537 ns/100 m
Signal delay		max.	45 ns/100 m
Test voltage			1000 V
Operating voltage		max.	125 V
TCL		min.	"Level 2"
Coupling attenuation			"Type III"
Segregation class			"c" EN 50174-2











Specifications



SYS400 U23 PE Category 6 U/UTP 4x2x23AWG

Frequency [MHz]	Attenuation [dB/100 m] typ.max.		NEXT [dB] typ.max.		PS-NEXT [dB] typ.max.		ACR [dB/100 m] typ.max.		PS-ACR [dB/100 m] typ.max.		ACR-F [dB/100 m] typ.max.		PS-ACR-F [dB/100 m] typ.max.		RL [dB] typ.max.	
	1.9	2.1	82	66	79	64	80	63.9	77	61.9	85	66	82	64	26	20
4	3.8	3.8	76	65.3	73	63.3	72	61.4	69	59.4	77	58	74	55	31	2:
10	5.9	6	70	59.3	67	57.3	64	53.3	61	51.3	68	50	64	47	32	2
16	7.4	7.6	65	56.2	62	54.2	58	48.6	55	46.6	63	45.9	60	42.9	34	2
31.25	10.5	10.7	60	51.9	57	49.9	49	41.1	46	39.1	51	40.1	48	37.1	36	2
62.50	15.1	15.5	58	47.4	55	45.4	43	31.9	40	29.9	44	34.1	41	31.1	32	2
100	19	19.9	52	44.3	49	42.3	33	24.4	30	22.4	35	30	32	27	32	2
250	31	33	48	38.3	45	36.3	17	5.3	14	3.3	19	22	16	19	30	1
300	36	-	43	-	40	-	13	-	10	-	14	-	11	-	28	-
400	41.6	-	40	-	37	-	8	-	5	-	8	-	5	-	26	-

