

Cat.6A U/UTP LSZH 4x2x23 AWG

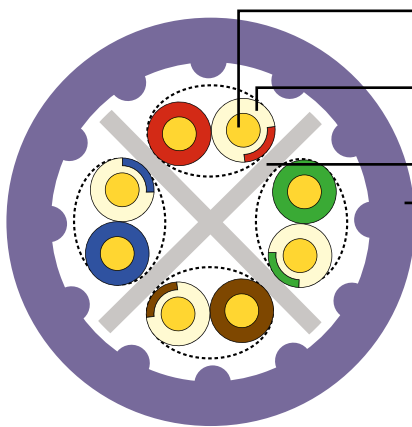


Application

This data cable range is designed for analogue and digital signal transmission in audio, video and data applications in data communication systems supporting 500 MHz, 10 Gbit/s 10 Gigabit Ethernet.



Cable structure



- **Conductive core:**
23 AWG copper soft wire
- **Insulation:** HDPE polyethylene, colored marking of insulation
- **Cross divider**
- **Outer shell:**
LSZH – halogen-free compound RAL 4005 Violet, 70°C

Standards

ISO/IEC 11801-1,
IEC 61156-5 EN 50288-10-1
ANSI EIA/TIA 568.2-D



DATAWAY

Specifications

Temperature range: fixed.....	-20°C...+60°C
flexing.....	0°C...+50°C
Bending radius: fixed.....	min. 4 x D
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 MΩ x m
Capacitance.....	max. 56 pF/m
Capacity imbalance.....	max. 1600 pF/km
Velocity of propagation.....	67-69%
Propagation delay.....	max. 537 ns/100 m
Signal delay.....	max. 45 ns/100m
Test voltage.....	1000 V
Operating voltage.....	max. 72 V

Fre- quency, MHz	Attenuation [dB/100 m]		NEXT [dB]		PS-NEXT [dB]		ACR [dB/100 m]		PS-ACR [dB/100 m]		ACR-F [dB/100 m]		PS-ACR-F [dB/100 m]		RL [dB]	
	typ	max.	typ	min.	typ	min.	typ	min.	typ	min.	typ	min.	typ	min.	typ	min.
1*	1.9	2.1	82	75,3	79	72,3	80	73,2	77	70,2	72	68	69	65	26	20
10	3.8	5,9	66	60,3	63	57,3	62,2	54,4	59,2	53,2	54	48	51	45	32	25
16	5.9	7,5	60	57,2	57	54,2	54,1	49,8	51,1	46,8	50	43,9	47	40,9	32	25
20	7.4	8,4	58	55,8	55	52,8	50,6	47,4	47,6	44,4	46,5	42,0	43,5	39,0	34	25
100	18,7	19,1	55	45,3	53	42,3	36,3	26,2	33,3	23,2	34,2	28,0	31,2	25,0	28	20,1
250	30,1	31,1	53	39,3	50	36,3	22,9	8,3	19,9	5,3	26	20,0	23	17,0	22	17,3
400	38,0	40,1	50	36,3	47	33,3	12,0	-3,8	9,0	-6,8	22	16,0	19	13,0	22	17,3
500	43,2	45,3	49	34,8	46	31,8	5,8	-10,4	2,8	-13,4	21,3	14,0	18,3	11,0	20	17,3

*Values up to 4 MHz are for general information

Cable structure	Diameter, mm nom	Cable weigh, kg/km, approx.	Sheath color	Packaging, m	CPR
Cat. 6A U/UTP 4x2x23 AWG LSZH	7,3	51	Violet	500/1000	DCA