

Cat.6 F/UTP LS0H 4x2x23 AWG



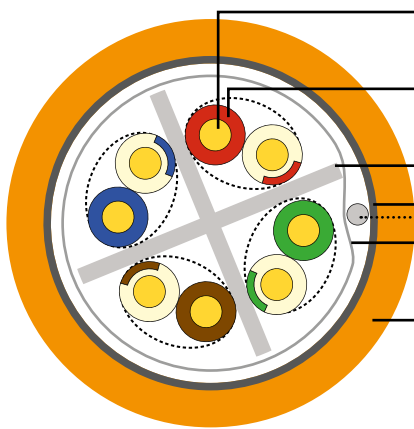
Application

Multicore and symmetrical twisted pair cable for digital communications:

• Type **Cat. 6 F/UTP 4x2x23AWG LS0H** is designed for structured cabling networks with single laying and laying in bundles inside buildings, constructions and equipment. This cable type can operate at frequencies up to 350 MHz in conditions of increased electromagnetic action and where low smoke emission is required.



Cable structure



- **Conductive core:**
23 AWG copper soft wire
- **Insulation:** HDPE polyethylene, colored marking of insulation
- **Cross divider**
- **Screen:** Al-Pet tape min. 100% coverage
- **Pet tape** min. 100% coverage
- **A tinned copper contact wire, Ø 26 AWG**
- **Sheath:**
LS0H RAL 2003 Orange

Standards

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



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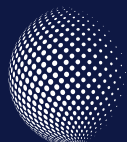
Specifications

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
Conductor resistance.....	max. 85 Ω/km
Resistance imbalance.....	max. 2%
Insulation resistance.....	min. 5000 MΩ x km
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
TCL min. «Level 2»	
Coupling attenuation «Type II»	
Transfer impedance «Class 2»	

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]
	max.	min.	min.	min.	min.	min.	min.	min.
1*	2.1	75,3	72,3	73,2	70,2	68	65	20
4	3,8	66,3	63,3	62,4	59,4	56	53	23
10	6.0	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	10,7	52,9	49,9	42,1	39,1	38,1	35,1	23,6
62.50	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	33,0	39,3	36,3	6,3	3,3	20	17	17,3
350*	40,0*	37,1*	34,1*	-	-	17,1*	14,1*	16,3*

*Values up to 4 MHz and for 350 MHz are for general information

Cable structure	Diameter, mm nom	Cable weigh, kg/km, approx.	Sheath color	Packaging, m	CPR
Cat. 6 F/UTP 4x2x23 AWG LS0H	7,1	53	Orange	305/500/1000	B2ca-S1a, d1, a1



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