

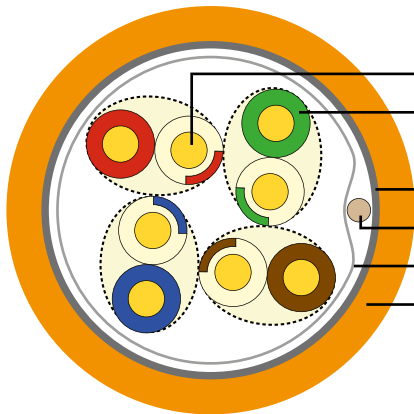
Cat.5e F/UTP LS0H 4x2x24 AWG



Application

Multicore and symmetrical twisted pair cable for digital communications:

• Type **Cat. 5e F/UTP 4x2x24AWG 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 100 MHz in conditions of increased electromagnetic action and where low smoke emission is required.



Cable structure

- **Conductor:** Copper wire 24 AWG
- **Insulation:** HDPE in compliance with TIA 568 insulation colour coding
- **Screen:** Al-Pet tape min. 100% coverage
- **A tinned copper drain wire, Ø 26AWG**
- **Pet tape** min. 100% coverage
- **Sheath:** LS0H RAL 2003 Orange

Standards

ISO/IEC 11801-1, IEC 61156-5
EN 50288-2-1
ANSI EIA/TIA 568.2-D



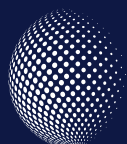
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Specifications

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. 85 N
Crushing strength.....	min. 1000 N/10 cm
Impact strength.....	min. 10 impacts
Conductor resistance.....	max. 96 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/100 m
Test voltage.....	1000 V
Operating voltage.....	max. 72 V
TCL min. «Level 2»	
Coupling attenuation «Type II»	
Transfer impedance «Class 2»	

Frequency [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	65,3	62,3	63,2	60,2	64,0	61,0	20,0
4	4,1	56,3	53,3	52,2	49,2	52,0	49,0	23,0
10	6,5	50,3	47,3	43,8	40,8	44,0	41,0	25,0
16	8,3	47,2	44,2	39,0	36,0	39,9	36,9	25,0
20	9,3	45,8	42,8	36,5	33,5	38,0	35,0	25,0
31.25	11,7	42,9	39,9	31,1	28,1	34,1	31,1	23,6
62.50	17,0	38,4	35,4	21,4	18,4	28,1	25,1	21,5
100	22,0	35,3	32,3	13,3	10,3	24,0	21,0	20,1

Cable structure	Diameter, mm nom	Cable weigh, kg/km, approx.	Sheath color	Packaging, m	CPR
Cat.5e F/UTP 4x2x24 AWG LS0H	5,9	43	Orange	305/500/1000	B2ca-S1a, d1, a1



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