

Cat6 patch cord UTP LSZH GPLPCL6U

Application

250 modular cord series consists of 100 Ohm impedance, 4-pair U/UTP terminated cords for work area, jumper and patching in local area networks (LANs). 250 modular cords feature a unique termination method, combining strength relief injection molding into the RJ-45 plug with a removable boot. 250 modular cords exceed all ANSI/TIA-568.2-D and ISO/IEC-11801 (2nd Edition) Category 6 requirements.

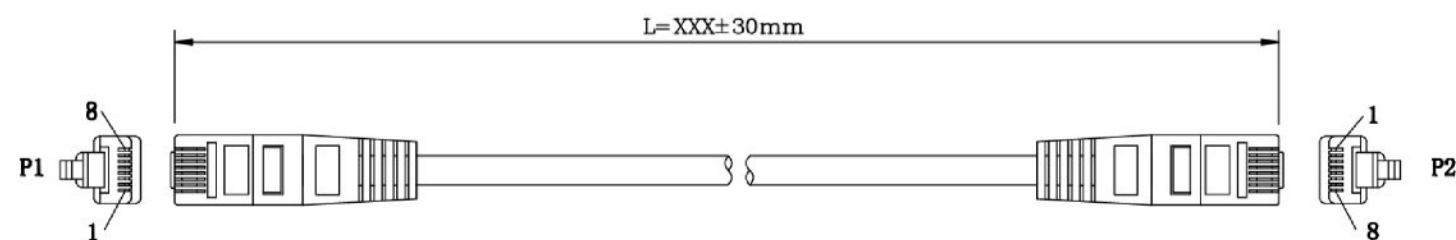
Standards

- Flame test: comply with IEC 60332-1-2
- EN 50173-1:2011
- ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D
- IEC61935-2:2010(Ed.3.0)
- EN 50173-2:2007 including amendment A1:2010



GENERAL PROPERTIES

Basic Cable Conductor	Stranded, 24 AWG, 7x0.20 mm, bare annealed copper
Wire Insulation	Polyolefin
Number of insulated conductors	8, twisted in 4 pairs
Color Code of Pairs	Blue x White/Blue Orange x White/Orange Green x White/Green Brown x White/Brown
Outer Jacket and boots	LSZH Halogen free flame retardant or PVC compound
RJ45 Plug	8P8C 50U'' U-TYPE 94-V2
Cable OD	6.0 ± 0.2 mm



MECHANICAL SPECIFICATIONS

Conductor Resistance	≤5Ω
Insulation Resistance	≥10MΩ
Characteristic Impedance	>500MΩ
Contact Resistance	≥AC1000V
Resistance unbalance	100 ± 6 Ohm @ 1-250MHz
Dielectric strength	20 mOhm max
Coupling attenuation	2% max
Cable to Plug Tensile Strength	1000 volts/1 minute min rms
Durability	40dB min. @ 30-100 MHz 40-20log (f / 100) @ 100-250 MHz
Temperature operating range	9 Kgf (90N) min

Electrical Specifications

Freq. MHz	NEXT (min. dB for 2mt)	Return Loss (RL) (min. dB)
1	65	19.8
4	65	21.6
8	65	22.5
10	65	22.8
16	62	23.4
20	60.1	23.7
25	58.1	24
31.25	56.2	23
62.5	50.4	20
100	46.4	18
200	40.6	15
250	38.8	14

WIRE CONNECTION

