

Company Product Code : 11920522

Product Description

Type Category 6 Extra UTP 4 Pair cable LSZH
Standards YD/T1019-2001(P.R.C), ISO11801& TIA/EIA 568
Applications Generic cabling systems. Including 10BaseT,1000BaseT, ATM & Token Ring
 This range of unshielded cables is designed to support Cat 6 Link and Channel performance.
 With internationally defined Physical and Electrical performance up to 350MHz



Construction

Conductor	23AWG Soft Plain Copper
Insulation	Polyethylene with colour marking on white cores to ease identification
Colour Code	White/Blue-Blue, White/Orange-Orange, White/Green-Green, White/Brown-Brown
Shield	None
Outer Jacket	PVC, CMX,CM,CMR, Leaded and Lead-free as well as LSZH versions available Nominal Diameter 6.4+/- 0.25 mm
Additional Components	Cable is supplied without ripcord unless specified by the customer Central separator for improved performance.
Printing	Sheath printed Black with Legend as per customer requirement

Mechanical Characteristics

Maximum Pulling Force	80 N
Minimum Bending Radius	55 MM
Nominal Weight	45KG/KM
Operating Temperature	-20 Deg C ~ +60 Deg C
Installation Temperature	+5 Deg C ~ +40 Deg C
Fire Performance	LSZH: IEC60332.1, VW1 CPR : ECA
Product lengths	305m standard, 500m, 1000m on request.

Electrical Performance

Transmission Frequency (MHz)	1~100MHz	100~160MHz	160~350MHz
NEXTA dB/100m	$\geq 44.3-15*\text{LOG}(f/100)$		
Characteristic Impedance	100±15Ω	100±20Ω	100±22Ω
Attenuation dB/100m	$\leq 1.808*\text{SQRT}(f)+0.017*f+0.2/\text{SQRT}(f)$		
Structural Return Loss dB/100m	> 23	>23-10Log(f/20)	
Return Loss dB/100m	25-7*LOG(f/20)		
Nominal Velocity of Propagation	>65%		