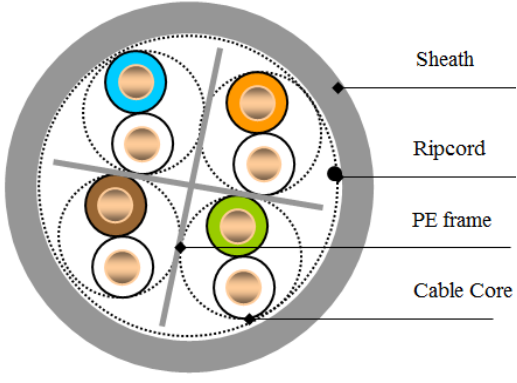


CAT6 UTP Cable

Description: Product Description: 4P U/UTP CAT6 23AWG LSZH LAN CABLE Reference standard: ANSI/EIA 568C.2 IEC 61156 & ISO/IEC 11801 Rated temperature: 75 °C Flame test: Per customer request Color-coded PE insulation Solid copper LSZH jacket	Application: 100 Base-TX 100 Base-T 100VG-AnyLAN 1000 Base-T(Gigabit Ethernet) 1000 Base-TX 155Mbps ATM 622Mbps ATM
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Data Sheet

Structure	Construction	U/UTP																													
	Number of pairs	4Pairs																													
Conductor	AWG	23AWG																													
	Material	Solid copper																													
Insulation	Conductor dimension (mm)	0.60±0.01																													
	Insulation Material	HDPE																													
	Insulation dimension(mm)	1.02±0.03																													
Pairs	1	White-Blue/Blue	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Electrical Characteristics</td> <td>1--250MHZ Impedance 100±15Ω</td> </tr> <tr> <td></td> <td>Max. delay skew ≤ 45/100m</td> </tr> <tr> <td></td> <td>Max. conductor resistance 95Ω/km (@ 20 °C)</td> </tr> <tr> <td></td> <td>Max. conductor resistance unbalance 2.5% (@ 20 °C)</td> </tr> <tr> <td></td> <td>Min. insulation resistance 5000 MΩ·km</td> </tr> <tr> <td></td> <td>Nom. mutual capacitance ≤5.6nF/100m @1KHz</td> </tr> <tr> <td></td> <td>Nominal velocity of propagation 65%</td> </tr> <tr> <td style="text-align: center;">Mechanical Characteristics</td> <td>Outer jacket tensile strength ≥10Mpa</td> </tr> <tr> <td></td> <td>Outer jacket elongation≥125%</td> </tr> <tr> <td></td> <td>Outer jacket aging condition 100°C x 168hrs</td> </tr> <tr> <td></td> <td>After aging, Tensile strength≥8Mpa</td> </tr> <tr> <td></td> <td>After aging, Elongation≥100%</td> </tr> <tr> <td></td> <td>Cold bend No crack (@-20°Cx4hrs)</td> </tr> <tr> <td></td> <td>Hot impact NO Crack(@150°Cx4hrs)</td> </tr> </table>	Electrical Characteristics	1--250MHZ Impedance 100±15Ω		Max. delay skew ≤ 45/100m		Max. conductor resistance 95Ω/km (@ 20 °C)		Max. conductor resistance unbalance 2.5% (@ 20 °C)		Min. insulation resistance 5000 MΩ·km		Nom. mutual capacitance ≤5.6nF/100m @1KHz		Nominal velocity of propagation 65%	Mechanical Characteristics	Outer jacket tensile strength ≥10Mpa		Outer jacket elongation≥125%		Outer jacket aging condition 100°C x 168hrs		After aging, Tensile strength≥8Mpa		After aging, Elongation≥100%		Cold bend No crack (@-20°Cx4hrs)		Hot impact NO Crack(@150°Cx4hrs)
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	2	White-Orange/Orange																													
	3	White-Green/Green																													
	4	White-Brown/Brown																													
Filler	Filler material	YES																													
Binder	Binder material	N/A																													
Shield	Individual shield & material	N/A																													
	Primary overall shield & material	N/A																													
	Secondary overall shield & material	N/A																													
	Shield coverage	N/A																													
	Drain wire	N/A																													
Outer jacket	Outer jacket material	LSZH																													
	Outer jacket nominal thickness(mm)	0.6																													
	Overall dimension (mm)	6.3±0.5																													
	Outer jacket color	Per customer request																													
	Outer jacket rip cord	YES																													
Part No.	IB-CAT6U-XX-L (XX = Color, BL=-BLUE, WH=WHITE, YL=YELLOW, PL=PURPLE)																														