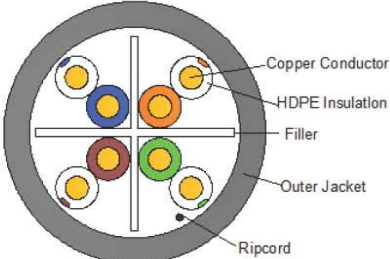


PRYSMA G. T.

CAT6 U/UTP SPECIFICATION

Description: Product Description: 4P U/UTP CAT6 23AWG LSZH LAN CABLE Reference standard: ANSI/TIA-568.2-D & ISO/IEC 11801 Rated temperature: 60 °C Flame test: Colour-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
---	--

Data Sheet

Structure	Construction	U/UTP	
	Number of pairs	4Pairs	
Conductor	AWG	23AWG	
	Material	Solid copper	
	Conductor dimension (mm)	0.57±0.01	
Insulation	Insulation Material	HDPE	
	Insulation dimension(mm)	1.0±0.05	
Pairs	1	White-Blue/Blue	
	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	Electrical Characteristics 1–250MHz Impedance 100±15Ω Max. delay skew ≤ 45/100m Max. conductor resistance 93.8Ω/km Max. conductor resistance unbalance 5%) Min. insulation resistance 5000 MΩ·km Nom. mutual capacitance ≤5.6nF/100m Nominal velocity of propagation 69%
	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	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)
	Outer jacket nominal thickness(mm)	0.50±0.05	
	Overall dimension (mm)	6.1±0.3	
	Outer jacket colour	Per customer request	
	Outer jacket rip cord	YES	
Packing	Per customer request		
Test	Perm.Link test by fluke 90±5m		
Marking	LAN CABLE CAT.6 U/UTP 23AWG 4PAIRS CONFORM TO ANSI/TIA-568.2-D & ISO/IEC 11801 LSZH YYYYMMDD ***M		
	Marking color shall be black except black jacket with white printing.		