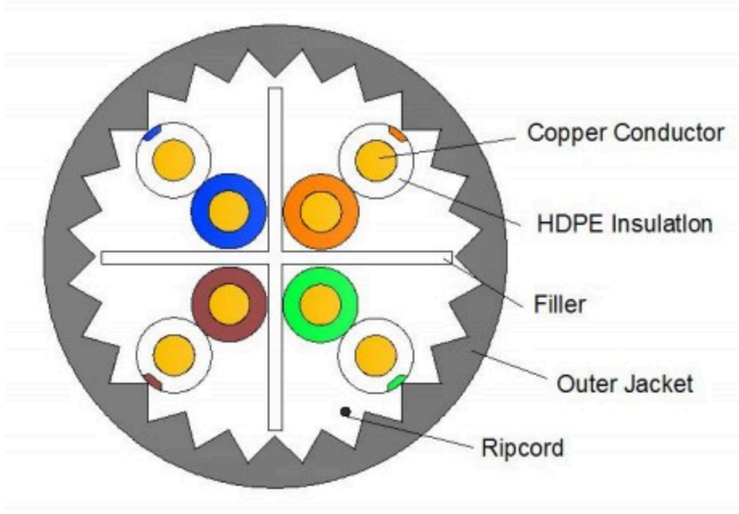
PRYSMA G. T.

CAT6A U/UTP SPECIFICATION

Description:	**Application:**
Product Description: 4P U/UTP CAT6A 23AWG LSZH LAN CABLE	**100 Base-TX**
Reference standard: ANSI/TIA-568.2-D & ISO/IEC 11801	**100 Base-T**
Rated temperature: 75 ℃	**1000 Base-T(Gigabit Ethernet)**
Flame test:	**1000 Base-TX**
Colour-coded PE insulation	**155Mbps ATM**
Solid copper	**622Mbps ATM**
LSZH jacket	**10Gb Ethernet**

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
	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)	0.75±0.05
	Overall dimension (mm)	6.5±0.3
	Outer jacket colour	Per customer request
	Outer jacket rip cord	YES



Electrical Characteristics	1--500MHz 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%
Mechanical Characteristics	Outer jacket tensile strength ≧10Mpa
	Outer jacket elongation≧125%
	Outer jacket aging condition 100℃ x 168hrs
	After aging, Tensile strength≧8Mpa
	After aging, Elongation≧100%
	Cold bend No crack (@-20℃x4hrs)
	Hot impact NO Crack(@150℃x4hrs)

Packing	**Per customer request**
Test	**Perm.Link test by fluke 90±5m (Does not meet Alien crosstalk)**
Marking	**LAN CABLE CAT.6A 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.