



ITEM NO.

CAT6A U/UTP ARMOURED

TEST STANDARD

ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

Solid Bare Copper

OUTER DIAMETER

0.55±0.005mm

INSULATION

MATERIAL

HDPE

OUTER DIAMETER

1.00±0.05mm

INNER JACKET

MATERIAL

LSZH

OUTER DIAMETER

6.1±0.3mm

SHIELD

MATERIAL

Al Foil + Braiding

OUTER JACKET

MATERIAL

PE

OUTER DIAMETER

9.1±0.3mm

ELECTRICAL CHARACTERISTICS (20°C)

Impedance(Ω)	100±15
Delay Shew(ns/100m)	≤45
NVP	69%
Capacitance(nf/100m)	≤5.6
DC Resistance(Ω/100m)	≤9.5
DC Conductor Resistance Unbalance(%)	≤5.0

RIP-CORD

YES

DRAIN WIRE

NO

PACKING

WOODEN REEL



PALLET



TECHNICAL PERFORMANCE(100M)

FREQUENCY (MHz)	RL ≥dB	ATT(20) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.0	74.3	72.3	72.3	67.8	64.8	1.0
4.0	23.0	3.8	65.3	63.3	61.5	55.8	52.8	4.0
10.0	24.5	5.3	60.8	58.8	55.5	49.7	46.7	10.0
16.0	25.0	6.0	59.3	57.3	53.3	47.8	44.8	16.0
20.0	25.0	7.6	56.2	54.2	48.6	43.7	40.7	20.0
31.25	25.0	8.5	54.8	52.8	46.3	41.8	38.8	31.25
62.5	24.3	9.5	53.3	51.3	43.8	39.8	36.8	62.5
100	23.6	10.7	51.9	49.9	41.2	37.9	34.9	100
200	21.5	15.4	47.4	45.4	32.0	31.9	28.9	200
250	20.1	19.8	44.3	42.3	24.5	27.8	24.8	250

JACKET PHYSICAL PROPERTIES

AGING				COLD BEND	
ITEM		Aging Period	100°C*24h*7d	Cold Period	-20±2°C*4h
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5Mpa	≥12.5Mpa	No Visible Cracks	
	Elongation	≥150%	≥125%		
LSZH	Tensile Strength	≥10.0Mpa	≥8.0Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0Mpa	≥8.0Mpa	No Visible Cracks	
	Elongation	≥350%	≥300%		