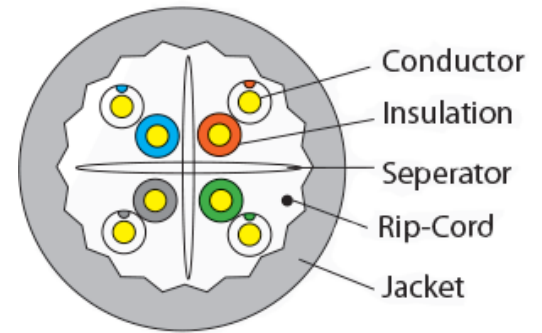


Category 6A U/UTP Unarmoured Outdoor Cable

Techlogiks Cat 6A UTP outdoor cable in a 23 AWG conductor features more stringent specifications for crosstalk and system noise. The cable standard provides performance of up to 500 MHz and applies to 10 GBase-T, 1000Base-T, 1000Base-TX, 100 Base-T4, 100Base-TX, 100VG-AnyLAN, 155Mbps ATM, 622Mbps ATM



Construction

Category	U/UTP CAT6A-4P	
Test Standard	ISO/IEC 11801, TIA/EIA 568C.2	
Conductor	Material	Solid Bare Copper
	Nom.O.D.	0.575±0.003mm
Insulation	Material	HDPE
	Nom.O.D.	1.05±0.03mm
Jacket	Thickness	0.70±0.05mm
	External O.D.	7.0±0.3mm
	Material	PE
	Color	Black
Rip – Cord	Yes	
Drain Wire	No	

Jacket Physical Properties

Before Aging	Tensile Strength (Mpa)	≥10.0
	Elongation (%)	≥350
Aging Period(°C*hrs.)	100°C*24h*7d	
After Aging	Tensile Strength (MPa)	≥8.0
	Elongation (%)	≥350
Cold bend (-20±2°C*4h)	No visible cracks	



Electrical Characteristics (20°C)

Impedance(Ω)	100± 15
Delay Shew(ns/100m)	≤45
NVP	69%
Capacitance(nf/100m)	≤5.6
DC Resistance(Ω /100m)	≤8.7

Technical Performance(100m)

Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PSNEXT ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.7	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	27.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

Ordering Information

Part Number	Description
TL-BULKUTPC6APE	Unshielded Twisted Pair Category 6A Unarmoured Outdoor Cable, 23 AWG 500 meters PE

CAT 6A CABLE