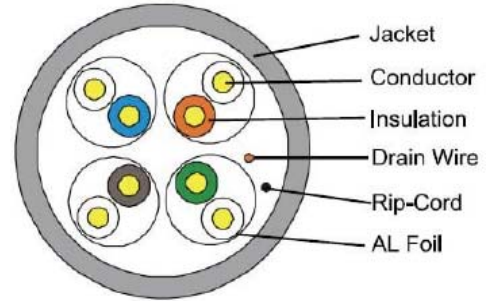


Category 6A U/FTP PVC Cable



Construction

Category	U/FTP CAT6A - 4P	
Test Standard	ISO/IEC 11801, TIA/EIA 568C.2	
Conductor	Material	Solid Bare Copper
	Nom.O.D.	0.56±0.003mm
Insulation	Material	Foamed PE
	Nom.O.D.	1.35±0.05mm
Shield	Al Foil * 4P	
Jacket	Thickness	0.55±0.05mm
	External O.D.	7.0±0.3mm
	Material	PVC
	Color	According to Requires
Rip-cord	Yes	
Drain Wire	0.40TC	

Jacket Physical Properties

Before Aging	Tensile Strength (Mpa)	≥13.5
	Elongation (%)	≥150
Aging Period(°C*hrs.)	100°C*24h*7d	
After Aging	Tensile Strength (MPa)	≥12.5
	Elongation (%)	≥125
Cold bend (-20±2°C*4h)	No visible cracks	

CAT 6A CABLE



Electrical Characteristics (20°C)

Impedance(Ω)	100 \pm 15
Delay Shew(ns/100m)	\leq 45
Nominal Velocity of Propagation	66%
Capacitance(nf/100m)	\leq 5.6
DC Resistance(Ω /100m)	\leq 9.5
DC Resistance Unbalance (%)	\leq 2.0

Technical Performance(100m)

Frequency (MHz)	RL \geq dB	ATT (20°C) \leq dB	NEXT \geq dB	PSNEXT \geq dB	ACR-F \geq dB	PS ACR-F \geq dB	PS ANEXT \geq dB	PS AACR-F \geq 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	27.8	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	37.1	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-BULKFTPC6A	Foiled Twisted Pair Category 6A Cable, 23 AWG, 305 Meters PVC

CAT 6A CABLE