

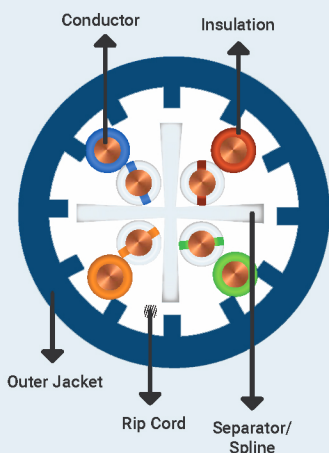
CAT6 AUGMENTED CABLE UTP PLENUM (CMP)

DESCRIPTION

- Category-6A, 23AWG, UTP.
- 8C Solid Bare Copper, 750MHz.
- Plenum Rated (CMP), 1000ft.

FEATURES

- Category-6A (Augmented) (UTP) Cable
- 23AWG Solid Bare Copper Conductors
- High-Performance Data Cable
- Spline -based construction with ribbed jacket for excellent X-talk performance
- Suitable for 10Gb High-Speed Applications
- Supports PoE 802.3af, 802.3at, 802.3bt (Type 3, Type 4), 802.3an, 802.3bz, 802.3ab, 802.3u
- HDBase-T A & B
- For Plenum Spaces (CMP rated)
- Exceeds ANSI TIA/EIA 568C.2-D
- RoHS Compliant Reel in the Box
- Supplied in 1000ft



SPECIFICATION

Technical Data

Rated Voltage	300v
Rated Temperature	-75°C to +75°C
Mutual Capacitance	4.68 NF/100m max.
NVP	71.20%

Conductor

Insulation	FEP
Size	23AWG

Construction

Divider (Pair Separator)	Yes
Ripcord	Yes

Outer Jacket

Material	LS FR-PVC
Outer Diameter	6.6 ±0.10mm (0.26"±0.004")

Color of Pairs

Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

PoE

15-W PoE Type 1 (IEEE 802.3af), 30-W PoE+ Type 2 (IEEE 802.3at), 60-W PoE++/4PPoE Type 3 (IEEE 802.3bt), 100-W PoE++/4PPoE Type 4 (IEEE 802.3bt)

Applications Support

ATM LAN 25/51/155/622
10GBASE-T (IEEE 802.3an), 2.5GBASE-T/5GBASE-T (IEEE 802.3bz), 1000BASE-T (IEEE 802.3ab) Gigabit Ethernet, 100BASE-TX (IEEE 802.3u) 100-Mbps Ethernet

Marking on Outer Jacket

Mountech Cable CAT6A AUGMENTED 10GIG CMP-LP (0.5A) FT6 23 AWG 4PR
UTP 75C TESTED TO ANSI/TIA 568.2-D ISO 11801 750 MHz
PO#/OP# ROHS COMPLIANT XXXXFT-XXXXFT

Available Colors:



CAT6 AUGMENTED CABLE UTP PLENUM (CMP)

PERFORMANCE CHART

Frequency (MHz)	RETURN LOSS		INSERTION LOSS		NEXT		PS NEXT		PSACR		ACR	
	TIA-568.2-D	Trans Cable	TIA-568.2-D	Trans Cable	TIA-568.2-D	Trans Cable	TIA-568.2-D	Trans Cable	TIA-568.2-D	Trans Cable	TIA-568.2-D	Trans Cable
1	20.6	40.0	2.31	1.6	72.5	100.8	70.5	98.3	68.21	95.0	70.21	104.6
4	22.9	42.4	3.7	3.2	65.7	109.3	63.7	95.8	60.0	86.1	62.0	94.5
8	24.5	40.2	5.2	4.6	60.9	88.2	58.9	86.3	53.7	80.0	55.7	96.1
10	25.0	39.8	6.0	5.2	59.1	91.7	57.1	85.1	51.1	81.9	53.1	86.0
16	25.0	38.4	7.5	6.6	56.3	92.7	54.3	85.6	46.8	75.0	48.8	85.6
20	25.0	38.9	8.4	7.4	54.8	86.8	52.8	80.3	44.4	69.9	46.4	77.4
25	24.3	40.7	9.4	8.3	53.4	81.5	51.4	75.7	42.0	67.7	44.0	77.7
31.25	23.6	38.0	10.4	9.3	52.0	77.1	50.0	75.3	39.6	64.0	41.6	77.1
62.5	21.6	43.2	15.0	13.5	47.4	71.7	45.4	70.6	30.4	57.2	32.4	67.7
100	20.1	37.8	19.1	17.3	44.3	80.9	42.3	69.4	23.2	53.4	25.2	66.7
155	18.0	35.5	27.6	22.0	39.8	70.0	37.8	63.6	10.2	37.5	12.2	58.5
200	17.3	36.7	31.1	25.2	38.3	70.6	36.3	62.5	5.3	35.6	7.3	48.5
250	16.8	29.1	34.3	28.5	37.1	70.9	35.1	64.3	0.9	34.1	2.9	45.3
300	15.9	28.1	40.0	31.3	35.3	70.2	33.3	62.0	-6.8	27.1	-4.8	38.7
350	15.2	27.6	45.2	34.0	33.8	68.8	31.8	60.4	-13.4	20.6	-11.4	40.5
400		29.9		36.8		63.8		58.6		20.7		43.4
450		26.7		39.7		61.3		58.2		13.7		28.7
500		26.6		42.1		59.0		56.4		10.9		33.1
550		24.8		44.1		67.0		59.1		7.3		25.1
600		25.8		45.9		57.1		56.7		2.2		31.3
650		26.7		47.7		59.1		54.2		-3.2		21.8
700		27.8		49.3		58.2		55.7		-1.5		12.5
750		32.8		52.7		69.4		52.1		-7.8		11.0

Parameter above 550MHz are for internal use only.