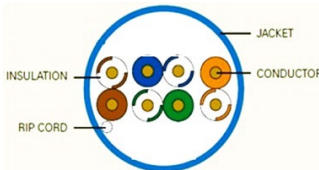



Category 6 550MHz UTP Splinesless Plenum (CMP) Cable

Cable Detail		
		
Description		
23 AWG Cat 6E CMP, High-Performance Data Cable		
Applicable Standards		
<ul style="list-style-type: none"> • UL Listed Type CMP • cUL listed CMP FT6 • C(UL)US Verified to TIA-568-C.2 • RoHS Compliant • ATM 155 Mbps • Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4 • 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3) • 16 Mbps Token Ring™ (IEEE 802.5) 		
		
Physical Characteristics		
Conductor Material	Solid Annealed Bare Copper	
Number of Conductor Pairs	4	
Size	23 AWG	
Stranding	Solid	
Insulation Material	Polymer Alloy (FEP)	
Overall Diameter	0.037 in	
Average Thickness	0.0088 in	
Jacket Material	Flame Retardant PVC	
Average Wall Thickness	0.023 in.	
Nominal Outer Diameter	0.205 in.	
Nominal Weight	25 lbs.	
Shield Material	Unshielded	
Ripcord	Yes	
Mechanical Characteristics		
Temperature Rating	Installation	0°C to + 60°C
	Operating	-20°C to + 75°C
Tensile Strength	Before	>= 13.8 Mpa
Elongation	Aging	>= 100%
		100°C x 168 hours
	After	>= 85% of unaged
Aging Condition	Aging	>= 50% of unaged
Insulation Colors		
Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown
Part Numbers	Jacket Color	Package
6E04UPSPLSXX4NS	To be determined (TBD)	1000FT / REELEX II

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.0	20.0	74.3	75.3
4	3.8	23.0	65.3	66.3
8	5.3	24.5	60.8	61.8
10	6.0	25.0	59.3	30.3
16	7.6	25.0	56.2	57.3
20	8.5	25.0	54.8	55.8
25	9.5	24.3	53.3	54.3
31.25	10.7	23.6	51.9	52.9
62.5	15.4	21.5	47.4	48.4
100	19.8	20.10	44.3	45.3
155	23.9	21.6	43.2	43.5
200	29.0	18.0	39.8	40.8
250	32.8	17.3	38.3	39.3
300	36.4	16.8	38.9	38.2
350	37.0	19.8	39.2	37.2
400	43.0	15.9	38.3	36.3
450	42.1	15.2	37.5	35.5
500	44.9	15.0	36.8	34.8
550	47.3	14.8	36.2	34.2
Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	ACR (dB) Min.	PS-ACR (dB) Min.
1	67.80	64.80	72.8	69.8
4	55.76	52.76	60.8	57.8
8	49.74	46.74	52.8	56.24
10	47.80	44.80	47.7	49.8
16	43.72	40.72	48.7	45.7
20	41.78	38.78	46.8	43.8
25	39.84	36.84	45.33	41.55
31.25	37.90	34.90	46.9	39.9
62.5	31.88	28.88	36.9	33.9
100	27.80	24.80	32.8	29.8
155	26.50	22.25	29.0	26.0
200	21.78	18.78	26.8	23.8
250	18.84	16.84	24.8	21.8
300	18.26	15.26	23.85	20.76
350	17.25	14.75	21.9	18.9
400	15.76	12.76	20.55	17.10
450	14.80	11.30	19.25	16.29
500	13.82	10.82	18.8	15.80
550	12.75	9.85	18.0	16.10

* Values above 250MHz are information only.

Cable Marking

XXXXXX CATEGORY 6 550MHZ 23AWG 4PR UTP CMP 75C FT6 C(UL)US
VERIFIED (UL) ANSI/TIA-568-C.2 ****FT