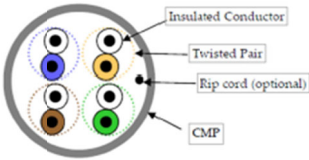


Category 6 550MHz UTP

Splineless Plenum (CMP-LP) 0.6A Cable

Cable Detail			
			
Description			
23 AWG Cat 6 CMP, High-Performance Data Cable			
Applicable Standards			
• UL444 Listed Type CMP • cUL listed CMP FT6 • C(UL)US Verified to ANSI/TIA-568-C.2 & ISO/IEC 11801 • PoE IEEE 802.bt Type 3,4 Application • 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 + 105°C
	Tensile Strength	Before	>= 13.8 Mpa
	Elongation	Aging	>= 100%
	Aging Condition		100°C x 168 hours
		After	>= 85% of unaged
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
6E04UPSPLSXX4		Black, Blue, Green, Grey, Orange, Red, Yellow, White	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

EXXXXXXX CATEGORY 6 550MHZ 23AWG 4 PR UTP CMP-LP (0.6A) 105C
C(UL)US VERIFIED (ETL) CAT6 ANSI/TIA-568-C.2 *****FT