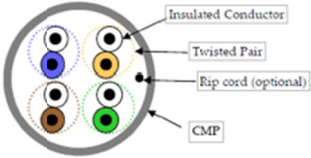



# Category 6 550MHz UTP Splineless Plenum (CMP-LP) 0.6A Cable

Cable Detail			
			
Description			
23 AWG Cat 6 CMP, High-Performance Data Cable			
Applicable Standards			
<ul style="list-style-type: none"> <li>UL444 Listed Type CMP</li> <li>cUL listed CMP FT6</li> <li>C(UL)US Verified to ANSI/TIA-568-C.2 &amp; ISO/IEC 11801</li> <li>PoE IEEE 802.bt Type 3,4 Application</li> <li>ATM 155 Mbps</li> <li>Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4</li> <li>1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)</li> <li>16 Mbps Token Ring™ (IEEE 802.5)</li> </ul>			
			
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%	
		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	
<b>6E04UPSPLSXX4</b>	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 \*\*\*\*\*