

Category 6 Plenum Data Communication Cable



APPLICATION:

Category 6 Plenum Data Communication Cable is suitable to be used as structured cabling for voice and high speed data in commercial and residential building for voice, video and LAN data lines, when they are installed in air return ducts or when limiting the transmission of smoke is required. The cable is rated for use at 550MHz and is rated CMP.

CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

INSULATION:

- Low smoke plenum rated insulation

CABLING:

- 4 twisted pairs are cabled together and each pair is twisted in different lays to minimize cross-talk interferences. The pairs are separated from each other by an X divider

JACKET:

- Low smoke plenum rated jacket

STANDARDS:

- UL listed or ETL verified Type CMP
- UL 444, 1666
- NEC Article 800, NFPA 262
- TIA/EIA-568
- ISO/IEC-11801

CAT6 (UTP) CMP Plenum 23 AWG 4 Pairs			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6-PLE	CMP	0.220	25

Performance					
Frequency	ACR, min.	Characteristic Impedance	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	$\Omega/100m$	dB/100m	dB/100m	dB/100m
1.0	72.3	100 \pm 15%	2.0	74.3	72.3
4.0	61.5	100 \pm 15%	3.8	65.3	63.3
10.0	53.3	100 \pm 15%	6.0	59.3	57.3
16.0	48.6	100 \pm 15%	7.6	56.2	54.2
20.0	46.3	100 \pm 15%	8.5	54.8	52.8
25.0	43.8	100 \pm 15%	9.5	53.3	51.3
31.3	41.2	100 \pm 15%	10.7	51.9	49.9
62.5	32.0	100 \pm 15%	15.4	47.4	45.4
100.0	24.5	100 \pm 15%	19.8	44.3	42.3
200.0	10.8	100 \pm 15%	29.0	39.8	37.8
250.0	5.5	100 \pm 15%	32.8	38.3	36.3

All values are nominal and subject to correction

