

# Category 6 Shielded PVC Data Communication Cable



## APPLICATION:

Category 6 Shielded PVC 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. The cable is rated for use up to 550MHz and is rated CMR.

## CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

## INSULATION:

- High density polyethylene (HDPE)

## 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

## SHIELD:

- Aluminum polyester backed shielding tape with a tined copper drain wire

## JACKET:

- Polyvinyl chloride (PVC)

## STANDARDS:

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

CAT6 (STP) CMR 23 AWG 4 Pairs			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6-PVCSH	CMR	0.290	34

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

All values are nominal and subject to correction



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