

Category 6A PVC Data Communication Cable



APPLICATION:

Category 6A 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. Suitable for use up to 10 Gig and is rated CMR.

CONDUCTORS:

- 23AWG solid soft drawn bare copper conductors

INSULATION:

- High density polyethylene (HDPE)
- Color Code: White/Blue stripe & Blue, White/Orange stripe & Orange, White/Green stripe & Green, White/Brown stripe & Brown

CABLING:

- 4 twisted pairs with a central separator are cabled together and each pair is twisted in different lays to minimize cross-talk interferences

JACKET:

- Polyvinyl chloride (PVC) jacket with a rip cord
- Storage, installation and operating temp is -30°C to +60°C
- Available in blue and yellow

STANDARDS:

- UL, c(UL) & ETL verified
- Type CMR, per NEC Article 800
- ANSI/ICEA S-90-661
- TIA /EIA-568-B.2
- ISO/IEC-11801

CAT 6A (UTP) CMR, 4 Twisted Pair			
Part Number	Type	Nominal Overall Diameter	Approx. Weight
		inches	lbs/kft
TEL24-4PC6A-PVC	CMR	0.279	39

Performance							
Frequency	ATT	Delay	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Return Loss
	328' max	328' min	328' min	328' min	328' min	328' min	minimum
MHz	dB/100m	ns/100m	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m
1.0	2.1	570.0	74.3	72.3	67.8	64.8	20.0
4.0	3.8	552.0	65.3	63.3	55.8	52.8	23.0
8.0	5.3	546.7	60.8	58.8	49.7	46.7	24.5
10.0	5.9	545.4	59.3	57.3	47.8	44.8	25.0
16.0	7.5	543.0	56.2	54.2	43.7	40.7	25.0
20.0	8.4	542.1	54.8	52.8	41.8	38.8	25.0
25.0	9.4	541.2	53.3	51.3	39.8	36.8	24.3
31.3	10.5	540.4	51.9	49.9	37.9	34.9	23.6
62.5	15.0	538.6	47.4	45.4	31.9	28.9	21.5
100.0	19.1	537.6	44.3	42.3	27.8	24.8	20.1
200.0	27.6	536.5	39.8	37.8	21.8	18.8	18.0
250.0	31.1	536.3	38.3	36.3	19.8	16.8	17.3
300.0	34.3	536.1	37.1	35.1	18.3	15.3	16.8
500.0	45.3	535.6	33.8	31.8	13.8	10.8	15.2
750.0	62.3	535.3	31.1	29.1	10.3	7.3	14.0

All values are nominal and subject to correction



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