

Category 5E Shielded PVC Data Communication Cable



APPLICATION:

Category 5E 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 suitable for use up to 350MHz and is rated CMR.

CONDUCTORS:

- Solid soft drawn bare copper per ASTM B3

INSULATION:

- High density polyethylene (HDPE)

CABLING:

- 4 twisted pairs cabled together, each pair with different lays to minimize cross-talk interferences

SHIELD:

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

JACKET:

- Polyvinyl chloride (PVC)

STANDARDS:

- UL listed or ETL verified Type CMR
- NEC Article 800
- 1000Mbps
- TPDDI 155
- ATM IEEE 802.3
- IEEE 802.5 ISD Voice
- TIA/EIA-568
- ISO/IEC-11801

CAT5E (UTP) CMX CMR 24AWG 4 Pairs				
Part Number	Min Average Thickness		Nominal Overall Diameter	Approx. Weight
	Diameter	Diameter		
	inches	inches	inches	lbs/kft
TEL24-4PC5PVCSH-POB	0.009	0.025	0.24	34

Performance						
Frequency	ACR, min.	Characteristic Impedance	SRL	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	$\Omega/100m$	dB/100m	dB/100m	dB/100m	dB/100m
1.0	65	100 ± 15%	20.0	2.0	65	62
4.0	63	100 ± 15%	23.0	4.1	56	53
8.0	52	100 ± 15%	24.5	5.8	52	49
10.0	46	100 ± 15%	25.0	6.5	50	47
16.0	44	100 ± 15%	25.0	8.3	47	44
20.0	37	100 ± 15%	25.0	9.3	46	43
25.0	34	100 ± 15%	24.3	10.4	44	41
31.3	31	100 ± 15%	23.6	11.7	43	40
62.5	21	100 ± 15%	21.5	17.0	38	28
100.0	13	100 ± 15%	20.1	22.0	35	24

All values are nominal and subject to correction



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