

# Category 5E 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. Note CM rated cable is available upon request.

### 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

### JACKET:

- Polyvinyl chloride (PVC)

### STANDARDS:

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

CAT5E (UTP) CMR 24 AWG 4 Pairs					
Part Number	Nominal Overall Diameter	Approx. Weight	Mutual Capacitance	DC Resistance Max	Nominal Velocity of Propagation
	inches	lbs/kft	Nf/100m	$\Omega$ /100m	%
TEL24-4PC5E350PVC	0.187	22	4.4	9.38	72

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	66	100 ± 15%	23.0	2.0	68	63
4.0	55	100 ± 15%	23.0	4.1	59	54
10.0	47	100 ± 15%	23.0	6.5	53	47
16.0	42	100 ± 15%	23.0	8.2	50	45
20.0	40	100 ± 15%	23.0	9.3	48	43
31.3	35	100 ± 15%	21.9	11.7	45	40
62.5	25	100 ± 15%	20.2	17.0	41	36
100.0	18	100 ± 15%	19.1	22.0	38	33
155.0	10	100 ± 15%	18.0	28.1	35	30
200.0	-	100 ± 15%	17.4	32.4	33	27
300.0	-	100 ± 15%	16.4	41.0	31	26
500.0	-	100 ± 15%	16.0	44.9	30	25

All values are nominal and subject to correction



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