

Category 5E FT-4 & FT-6 350MHz Data Communication Cable



APPLICATION:

Category 5E 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:

- 24AWG solid bare copper

INSULATION:

- **FT-4:** Polyethylene (PE)
- **FT-6:** Fluorinated ethylene propylene (FEP)

CABLING:

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

JACKET:

- **FT-4:** Polyvinyl chloride (PVC)
- **FT-6:** Flame retardent low smoke plenum rated

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

Part Number	Nominal Overall Diameter	Approx. Weight	Mutual Capacitance
	inches	lbs/kft	Nf/100m
FT-4: CAT5E (UTP): Non-Plenum: 24 AWG 4 Pairs			
TEL24-4PC5E350PVUL	0.20	20	4.4
FT-6CAT5E (UTP): Plenum: 24 AWG 4 Pairs			
TEL24-4PC5E350PLUL	0.20	23	4.4

Performance						
Frequency	ACR, min.	Characteristic Impedance	SRL	Attenuation @20°C, max.	Worst Pr Next, min.	PS-Next, min.
MHz	dB/100m	Ω/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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