

# Category 5E Direct Burial Shielded 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. Rated for Direct Burial.

## CONDUCTORS:

- Solid bare copper

## INSULATION:

- High density polyethylene (HDPE)

## CABLING:

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

## SHIELD:

- Aluminum foil with a tinned copper drain wire

## JACKET:

- LDPE

## STANDARDS:

- NEMA WC63.1
- ANSI/ICEA S-90-661
- TIA/EIA-568
- ISO/IEC-11801

CAT5E 24AWG 4 Pairs		
Part Number	Nominal Overall Diameter	Approx. Weight
	inches	lbs/kft
TEL24-4PC5EDB-SHLD	0.24	34

Performance						
Frequency	ATT	NEXT	PS-NEXT	ELFEX	PS-ELFEXT	Return Loss dB
MHz	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m	minimum
1.0	3.3	65.3	62.3	64.0	61.0	20.0
4.0	6.4	56.3	53.3	52.0	49.0	23.0
8.0	8.7	51.8	48.8	45.9	42.9	24.5
10.0	9.6	50.3	47.3	44.0	41.0	25.0
16.0	12.3	47.2	44.4	39.9	36.9	25.0
20.0	13.6	45.8	42.8	38.0	35.0	25.0
25.0	15.2	44.3	41.3	35.8	33.0	24.3
31.3	17.1	42.9	39.9	34.1	31.1	23.6
62.5	24.8	38.4	35.4	28.1	25.1	21.5
100.0	32.0	35.3	32.3	24.0	21.0	20.1

All values are nominal and subject to correction