

# ELECTRA CABLES



(Aust.) Pty. Limited

A.C.N. 056 024 385  
A.B.N. 38 056 024 385

## Category 5 Enhanced Cable – CAT5E



**An enhanced version of CAT5 cable. The amended specifications of CAT5E provide full-duplex fast Ethernet.**

**Application:** High speed Data, communication networks, 1000BASE-T Gigabit Ethernet, 10BASE-T, 100BASE-T Fast Ethernet (IEEE802.3), 100VG-AnyLAN (IEEE802.12), 155/622 Mbps ATM, 550MHz Broadband Video, Voice, T1, ISDN

**Standard Compliances:** UL444, UL1581. RoHS complied PVC, PE Jacket. Complies to TIA/EIA -568B & ISO/IEC 11801

**Conductor:** Bare Copper 0.51mm  
**Nominal Area:** 0.2mm<sup>2</sup>  
**Electrical Resistance at 20°C:** 93.8Ω/Km  
**Pair Colour:** Brown-White, Blue-White, Orange-White, Green-White

**Propagation Speed (≤m/s):** 0.65C  
**Nominal O.D:** 5.3mm  
**Installation temperature:** -30°C ~ +50°C  
**Pack Length:** 305m Box

### Electrical Characteristics:

Frequency MHz	Impedance Ohm	RL ≥ dB	Attenuation ≤dB/100m	NEXT ≥dB/100m	ELFEXT ≥dB/100m	PS NEXT ≥dB/100m	PS ELFEXT ≥dB/100m
1	100±15	20.0	2.0	65.5	63.8	62.3	60.8
4		23.0	4.1	56.3	51.7	53.3	48.7
10		25.0	6.5	50.3	43.8	47.3	40.8
16		25.0	8.2	47.3	39.7	44.2	36.7
20		25.0	9.3	48.5	37.7	42.8	34.7
31.25		23.6	11.6	42.9	33.9	39.9	30.9
62.5		21.5	17.0	38.4	27.8	35.4	24.8
100	100±18	20.1	22.0	35.3	23.8	32.3	20.8
155		18.8	28.1	32.4	20.2	29.4	17.2
200		18.0	32.4	30.8	18.0	27.8	15.0
310	100±22	16.7	41.8	27.9	14.2	24.9	11.2
350		16.3	44.9	27.1	13.1	24.1	10.1

