



VueNet

Cable - it's what we do



CAT5E Unscreened Twisted Pair (U/UTP) Cable PVC

CAB VN ECAT5

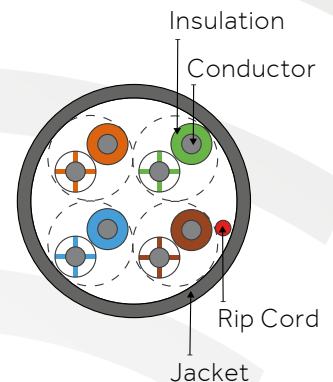
Features

- Premium Solid Core Copper Cable
- Conforms to CAT5e Networking Standards
- Perfect for External Installations
- Marked at 1m Intervals
- 100m Easy Pull Reel + Rip Cord
- Colour: Black - Total Satisfaction Guaranteed
- 25 Year Warranty



Product Overview

Each cable consists of 8 colour coded polyethelene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs, together with a strong nylon rip cord are jacketed in a heat resistant PVC material. The printing detail on the sheath, includes the cables part number, specification details and a unique 100-0 metre marking within each box supplied, allowing for quick and easy measurement of cable installed and the amount remaining within the box.



Specification

	External
PE Outer Sheath	-
Nominal Overall Diameter	5.2mm 0.55m thickness
Operation Temperature Range	-10°C to +75°C
Bend Radius	4 x overall diameter installed, 8x installing
Conductor	24AWG Solid Copper Core 0.49mm O.D
Conductor Insulation	High Density Polyethylene

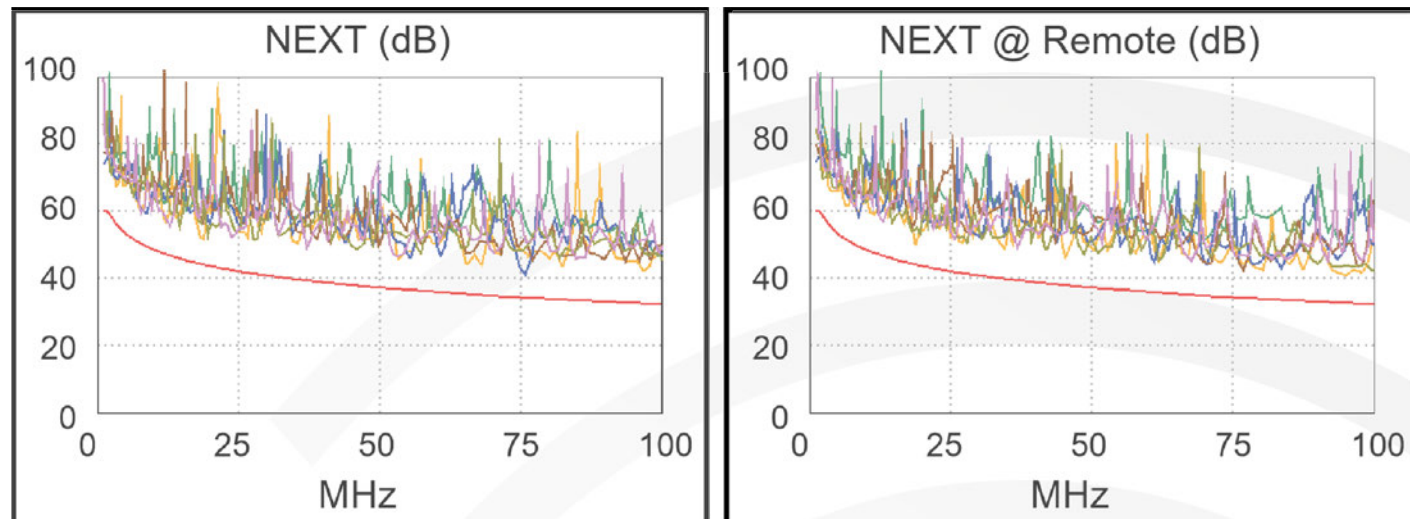
Technical Performance(@100m)

Frequency (MHz)	Return Loss \geq dB	Insertion Loss \leq dB	NEXT \geq dB	Phrase DELAY \leq ns	PSNEXT \geq dB	ACRF \geq dB	PSACRF \geq dB
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25.0	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8

(Insertion Loss=Attenuation, ACRF=ELFEXT, PSACRF=PSELFEXT)

Performance Overview

Cables are manufactured and tested to the Category 5 enhanced standards as defined by the EIA/TIA and ISO standards' bodies. Swept frequency tests are applied to each critical performance characteristic, such as near end cross talk (NEXT) and far end cross talk (FEXT). Both Worst Case and Power Sum Test methods are applied. Actual performance exceeds the required standard by a considerable margin ensuring sufficient headroom for even the most demanding applications.



Typical Applications

- 10Base-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-T Gigabit Ethernet

Part Number information

- CAB VN ECAT5 – Cat 5E Premium Pure Copper Cable