



VueNet

Cable - it's what we do

CAT5E Unscreened Twisted Pair (U/UTP) Cable PVC

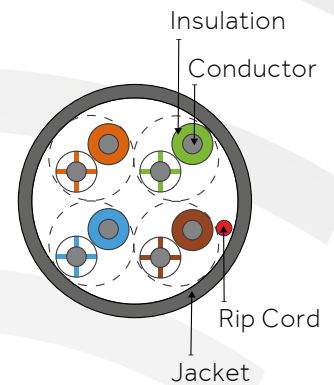
CAB VN CAT5 INT

Features

- Premium Solid Copper Cable
- 24AWG - Supports Gigabit Ethernet
- LSOH Certified - Use on Any Project
- 305m Easy Pull Box + Rip Cord
- Colour: Grey - Total Satisfaction Guaranteed
- 25 Year Warranty

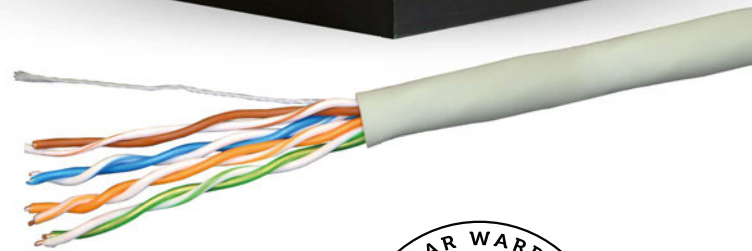
Product Overview

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 305-0 metre marking within each box supplied, allowing for quick and easy measurement of cable installed and the amount remaining within the box.



Specification

	Internal
PE Outer Sheath	LSOH
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



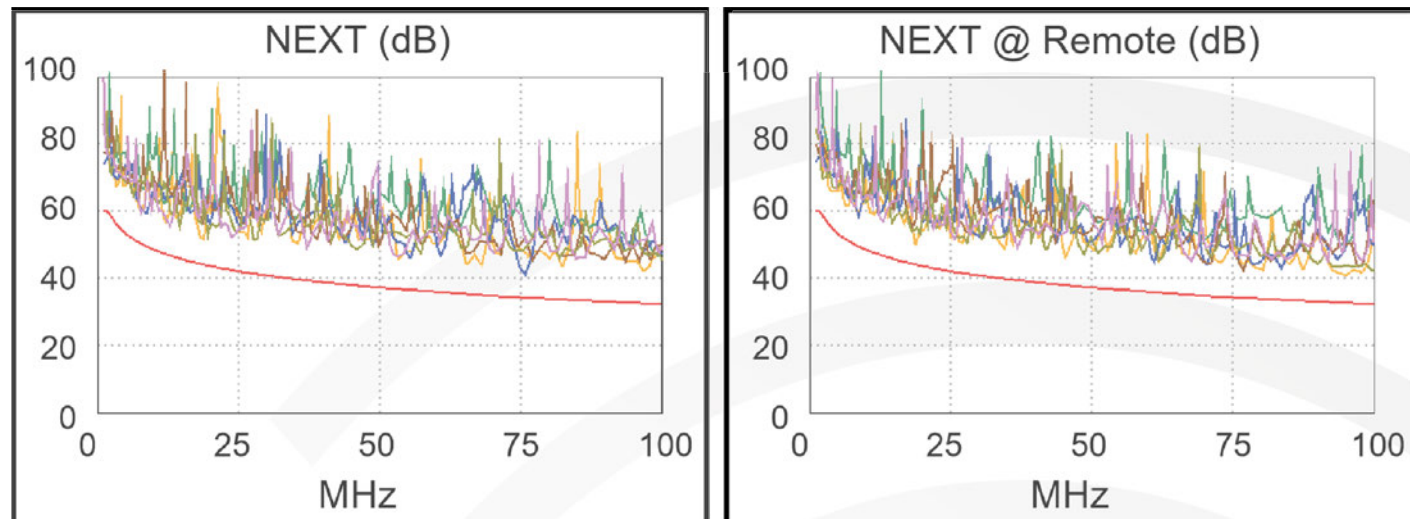
Technical Performance(@100m)

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 CAT5 INT – Cat 5E LSHO Internal Premium Solid Core Network Cable