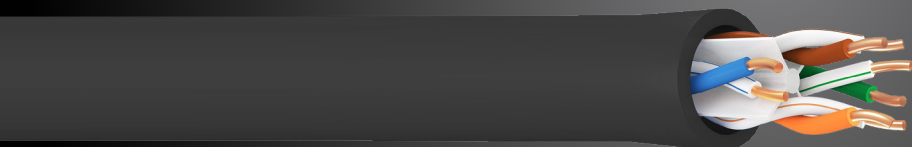


VECTUS[®]™

CAT5PE-305-B

CAT5e 305M Cable UTP PE, Outdoor (Black)



Key Features:

- CAT5 solid bare copper cable
- HDPE
- 24AWG
- Meter marked
- Outer sheath colour: Black
- Reaction to fire: Fca



SPECIFICATIONS

Model Number	CAT5PE-305-B
Category	U/UTP CAT5E-4P-PE
Reference Standard	ISO/IEC11801, TIA-568-C.2
Conductor	
Material	Solid-Bare Copper
Nom.O.D.	0.480; Up: +0.005; Down: -0.005
Insulation	
Material	HDPE
Diameter	0.83±0.05mm

(continued)

Sheath

Thickness	0.55 ± 0.05 mm
External O.D.	5.0 ± 0.4 mm
Surface	Clean, Flap, Satiation
Material	HDPE (Complies RoHS)
Colour	Black

Surface Printing

Letter height	3.0 ± 0.3 mm
Colour	White
Print error & Space	≤±0.5%, 1m

Core Colour

Colour	8-core, Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown
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Packaging

Length	305m (1000 ft) ± 1.5 m (4.92 ft)
Packaging Dimensions	360mm × 360mm × 205mm (14.17" × 14.17" × 8.07") (L × W × H)
Packaging Method	305 m (1000.66 ft) a carton one protection carton with 2 cartons inside
Net Weight	7kg±0.6kg (22 lb±1.32lb)
Gross Weight	7.5kg±0.6kg (24.20 lb±1.32lb)

Rip Cord

Rip Cord	Yes
Drain Wire	No

Sheath Physical Properties

Before Aging Tensile Strength (Mpa)	≥10.0
Before Aging Elongation (%)	≥350
Aging Period (°C x hrs)	100°C x 24h x 10d
After Aging Elongation (%)	≥300
Cold bend (-20±2°Cx4h)	8 x Cable O.D., No Visible cracks

Electrical Characteristics (20°C)**1.0-100-0MHz Impedance (Ω)** 100 ± 15 **1.0-100-0MHz Delay Skew (ns/100m)** ≤ 45 **DC Resistance ($\Omega/100m$) max** 11.0**DC Conductor Resistance** 5.0**Unbalance (%) max****Certifications****Certifications**

Category 5E, 4-pair, 24 AWG, U / UTP, PE; ISO / IEC 11801 - 1 : 2017

EN 50173 - 1 : 2018 / EN 50173 - 2 : 2018; ANSI / TIA 568 - D : 2015

EN 50575 : 2014 + A1 : 2016;

RoHS 2.0 : (2011 / 65 / EU & 2015 / 863) : 2023

Technical Performance (100m)

Frequency (MHz)	RL \geq dB	ELFEXT \geq dB	NEXT \geq dB	ATT(20°C) \leq dB	PSNEXT \geq dB	PHASE DELAY \leq ns	PSELFEXT \geq dB
1	20	63.8	65.3	2.0	62.3	570.00	60.8
4.0	23	51.8	56.3	4.1	53.3	552.00	48.8
8.0	24.5	45.7	51.8	5.8	48.8	546.73	42.7
10.0	25	43.8	50.3	6.5	47.3	546.73	40.8
16.0	25	39.7	47.2	8.2	44.4	543.00	36.7
20.0	25	37.8	45.8	9.3	42.8	542.05	34.8
25.0	24.3	35.8	44.3	10.4	41.3	541.20	32.8
31.25	23.6	33.9	42.9	11.7	39.9	540.44	30.9
62.5	21.5	27.9	38.4	17.0	35.4	538.55	24.9
100	20.1	23.8	35.3	22.0	32.3	537.60	20.8

Dimensions (mm/inch)