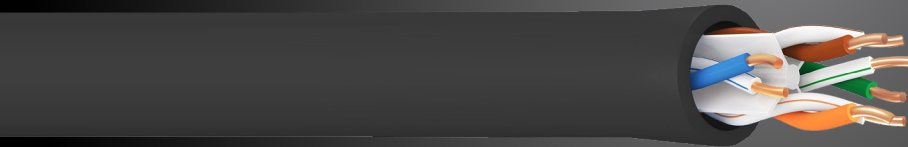


VECTUS[®]™

CAT6PE-305-B

CAT6 305M Cable UTP PE, Outdoor (Black)



Key Features:

- CAT6 solid bare copper cable
- HDPE
- 23AWG
- Metre marked
- Outer sheath colour: Black
- Reaction to fire: Fca



SPECIFICATIONS

Model Number	CAT6PE-305-B
Category	U/UTP CAT6 4P 23AWG PE
Reference Standard	ISO/IEC11801, TIA-568-C.2
Conductor	
Material	Solid-Bare Copper
Insulation	
Material	HDPE
Diameter	0.96±0.08mm

(continued)

Sheath

Thickness	0.55 ± 0.05 mm
External O.D.	6.1±0.5 mm
Surface	Clean, Frap, Satiation
Material	LDPE(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
---------------	--

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)

1.0-250.0 Mhz Impedance 100±15

1.0-250.0 Mhz Delay Scew ≤45

DC Resistance (Ω/100m) max 9.38

DC Conductor Resistance 5.0

Unbalance (%) max

Certifications**Certifications**

Category 6,4-pair,23 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 ≥dB	ELFEXT ≥dB	NEXT ≥dB	ATT(20°C) ≤dB	PSNEXT ≥dB	PHASE DELAY ≤ns	PSELFEXT ≥dB
1	20	67.8	74.3	2.03	72.3	570.00	64.8
4.0	23	55.8	65.3	3.78	63.3	552.00	52.8
8.0	24.5	49.7	60.8	5.32	58.8	546.73	46.7
10.0	25	47.8	59.3	5.95	57.3	545.38	44.8
16.0	25	43.7	56.2	7.55	54.4	543.00	40.7
20.0	25	41.8	54.8	8.47	52.8	542.05	38.8
25.0	24.3	39.8	53.3	9.51	51.3	541.20	36.8
31.25	23.6	37.9	51.9	10.67	49.9	540.44	34.9
62.5	21.5	31.9	47.7	15.38	45.4	538.55	28.9
100	20.1	27.8	44.3	19.80	42.3	537.60	24.8
200	18.0	21.8	39.8	28.98	37.8	536.54	18.8
250	17.3	19.8	38.3	32.85	36.3	536.27	16.8

Dimensions (mm/inch)