

Construction

1 Conductor Diameter	Solid Bare Copper AWG 24
2 Insulation Color Code Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	Solid PE 0.88 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
3 Sheath Diameter (mm) Color	PVC 5.30 x 2 ± 0.50 Grey - RAL 7035

Marking

B-CABLES EN50575 E_{ca} DOP-BSYXXX-4 PAIRS AWG 24 U/UTP
CAT 5E 200MHZ – 100 OHM – ISO11801/TIA-EIA 568-B.2 CE PVC
001M

Standards

Comply with EIA/TIA 568 & ISO/IEC 11801 CAT 5e Standard
Euroclass E_{ca}

Electrical Characteristics

Characteristics Impedance @ 1~100 MHz (Ω)	100 ± 15
Conductor DC Resistance @ 20°C (Ω/km)	≤ 96
Velocity of Propagation	69%
Mutual Capacity (pF/m)	50
Rated Temperature	-10 ~ +70 °C

	Attenuation	Return Loss	NEXT
1 MHz	2.04	20.00	65.30
4 MHz	4.10	23.00	56.30
10 MHz	6.50	25.00	50.30
16 MHz	8.20	25.00	47.20
20 MHz	9.30	25.00	45.80
25 MHz	10.40	24.30	44.30
31.25 MHz	11.70	23.60	42.90
62.5 MHz	17.00	21.50	38.40
100 MHz	22.00	20.10	35.30

