

Construction

1 Conductor Diameter	Solid Bare Copper AWG 24
2 Insulation Color Code	Solid PE
Diameter (mm)	0.90 ± 0.05
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown
3 Sheath	PVC
Diameter (mm)	5.30 x 2 ± 0.50
Color	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

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

