

Construction

- 1 Conductor** **Solid Bare Copper**
Diameter AWG 24

- 2 Insulation** Color Code **Solid PE**
Pair 1 Blue/White-Blue
Pair 2 Orange/White-Orange
Pair 3 Green/White-Green
Pair 4 Brown/White-Brown

- 3 Synthetic Polyester Foil**

- 4 Drain Wire** **Solid Tinned Copper**

- 5 Shielding** **Al / PES**
> 110%

- 6 Sheath** **PVC**
Diameter (mm) 5.70 x 2 ± 0.50
Color Grey

Marking

B-CABLES EN50575 E_{ca} DOP-BSYXXX-2x4 PAIRS AWG 24 F/UTP CAT 5E 200MHZ – 100 OHM – ISO11801/TIA-EIA 568-B.2 CE 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

