

Construction

1 Conductor	Solid Bare Copper
Diameter	AWG 24
2 Insulation Color Code	HDPE
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	PE for outdoor use (UV resistant)
Diameter (mm)	5,20 ± 0,50
Color	Black

Marking

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

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

EIA /TIA 568-B.2 Category 5e Standard:

Frequency (MHz)	Attenuation (dB/100m)	Return Loss (dB)	NEXT (dB)
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

