

Construction

1 Conductor	Solid Bare Copper
Diameter	AWG 24
2 Insulation Color Code	HDPE
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)	≤ 94
Velocity of Propagation	66%
Mutual Capacity (pF/m)	50
NVP	69%

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

	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

