

**Construction**

<b>1 Conductor</b> Diameter	<b>Solid Bare Copper</b> AWG 24
<b>2 Insulation Color Code</b> Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	<b>HDPE</b> 0.90 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
<b>3 Sheath</b>  Diameter (mm) Color	<b>PE for outdoor use (UV resistant)</b> 5.70 ± 0.50 Black
<b>4 Shielding</b>	<b>Al / PES</b> > 110%

**Marking**

B-CABLES EN50575 F<sub>ca</sub> DOP-BSYXXX-4 PAIRS AWG 24 F/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	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

