

## Construction

<b>1 Conductor</b> Diameter	<b>Solid Bare Copper</b> AWG 24
<b>2 Insulation</b> Color Code	<b>HDPE</b>
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown
<b>3 Sheath</b> Diameter (mm) Color	<b>PE for outdoor use (UV resistant)</b> 5.20 ± 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 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

