

**Construction**

<b>1 Conductor</b> Diameter	<b>Solid Bare Copper</b> AWG 23
<b>2 Insulation</b> Color Code	<b>Solid PE</b>
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown
<b>3 Central Cross</b>	<b>PE Spline</b>
<b>4 Synthetic Polyester Foil</b> Coverage	>100%
<b>5 Drain Wire</b>	<b>Solid Tinned Copper</b>
<b>6 Shielding</b> Coverage	<b>Al / PES Bleu</b> >100%
<b>7 Sheat</b> Diameter (mm)	<b>PVC</b> 6.90 x 2 ± 0.40
Color	Grey - RAL 7035

**Marking**

B-CABLES EN50575 E<sub>ca</sub> DOP-BSYXXX-2X4 PAIRS AWG 23 F/UTP CAT 6 250MHZ - 100 OHM - ISO11801/TIA-EIA 568-B.2 CE PVC 001M

**Standards**

ISO/IEC 11801 :2011 (Ed. 2.2) - IEC 61156-5:2012 (Ed. 2.1)  
 EN 50173-1 :2011 - EN 50173-2:2007 including amendment A 1:2010  
 EN 50288-6-1 :2013 - ANSI/TIA-568-C.2:2009

**Euroclass E<sub>ca</sub>**

**Electrical Characteristics**

Characteristics Impedance (Ω)  
 from 1 to 100 MHz 100 ± 15  
 from 100 to 250 MHz 100 ± 20  
 Conductor DC Resistance @ 20°C (Ω/km) < 95  
 Nominal Velocity of Propagation 72%

	<b>Attenuation</b>	<b>Return Loss</b>	<b>NEXT</b>
1 MHz	2.00	20.00	74.30
4 MHz	3.80	23.00	66.30
10 MHz	6.00	25.00	60.30
16 MHz	7.60	25.00	57.20
25 MHz	9.50	24.30	54.30
31.25 MHz	10.70	23.60	52.90
100 MHz	19.80	20.10	45.30
200 MHz	29.00	18.00	40.80
250 MHz	32.80	17.30	39.30

