

## 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>Solid PE</b> 0.85 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
<b>3 Small Central Cross</b>	<b>PE Spline</b>
<b>4 Sheath</b> Thickness (mm) Diameter (mm) Color	<b>LSZH</b> 0.40 5.10 ± 0.25 White - RAL 9003 Blue - RAL 5015

## Marking

B-CABLES EN50575 D<sub>ca</sub> s2d1a1 DOP-BSYXXX-4 PAIRS AWG24 U/UTP CAT 6 250MHZ - 100 OHM - ISO11801/TIA-EIA 568-B.2 CE LSZH F2 SA SD 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** D<sub>ca</sub> s2d1a1

## 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
Rated Temperature	60 °C
Nominal Velocity of Propagation	69%

Frequency (MHz)	Attenuation (dB/100m)	Return Loss (dB)	NEXT (dB)
1	4.0	21.00	65.0
4	4.0	21.00	64.1
10	5.6	21.0	57.8
16	7.1	20.0	54.6
31.25	10.00	18.50	50.00
100	18.5	14.0	45.1
200	27.1	11.0	36.9
250	30.7	10.0	35.3

