

Construction

1 Conductor Diameter	Solid Bare Copper AWG 24
2 Insulation Color Code Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	Solid PE 0.85 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
3 Small Central Cross	PE Spline
4 Sheath Thickness (mm) Diameter (mm) Color	LSZH 0.40 5.10 ± 0.25 White - RAL 9003 Blue - RAL 5015

Marking

B-CABLES EN50575 D_{ca} 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_{ca} 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%

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

