

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 0.90 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
3 Sheath Diameter (mm) Color	LSZH 5.20 ± 0.50 Green - RAL 6027

Marking

B-CABLES SMART **∞** LINE EN 50575 C_{ca} s1D1A1 DOP-BSYXXX-4 PAIRS
AWG 24 U/UTP CAT 5E 200 MHZ - 100 OHM - ISO 11801/TIA-EIA
568-B.2 CE LSZH F2 SA SD 001M

Standards

ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
IEC 61156-5:2012 (Ed. 2.1)
EN 50173-1:2011 / EN 50173-2:2007 including amendment A1:2010
EN 50288-11-1:2012
ANSI/TIA-568-C.2:2009

Euroclass C_{ca} s1d1a1

Electrical Characteristics

Characteristics Impedance @ 1~100 MHz (Ω)	100 ± 15
Conductor DC Resistance @ 20°C (Ω/km)	≤ 96
Rated Temperature	-10 ~ +70 °C
Nominal Velocity of Propagation	69%

	Attenuation	Return Loss	NEXT
1 MHz	2.04	20.00	65.30
4 MHz	4.10	23.00	56.30
10 MHz	6.90	25.00	50.30
16 MHz	8.60	25.00	47.20
20 MHz	9.40	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

