


Construction

1 Conductor Diameter	Solid Bare Copper AWG 23
2 Insulation Color Code	Solid PE
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown
3 Central Cross	PE Spline
4 Synthetic Polyester Foil Coverage	>100%
5 Drain Wire	Solid Tinned Copper
6 Shielding Coverage	Al / PES Bleu >100%
7 Sheat Diameter (mm)	LSZH 6.90 x 2 ± 0.40
Color	Green - RAL 6018 Color on request

Marking

B-CABLES SMART  LINE EN50575 C_{ca} s1d1a1 DOP-BSYXXX-2X4 PAIRS AWG 23 F/UTP CAT 6 250MHZ – 100 OHM – ISO11801/TIA-EIA 568-B.2 CE LSZH F2 SA SD 001M

Standards

HD 60 364
 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 50288-5-1:2013 - ANSI/TIA-568-C.2:2009 - EN 60216
Euroclass C_{ca} s1d1a1

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%

	Attenuation	Return Loss	NEXT
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

