


Construction

1 Conductor Diameter	Solid Bare Copper AWG 23
2 Insulation Color Code Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	Solid PE 0.98 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
3 Central Cross	PE Spline
4 Sheath Diameter (mm) Color	LSZH 6.0 x 2 ± 0.5 Green RAL 6016 Green RAL 6018 Color on request

Marking

B-CABLES SMART  LINE EN50575 C_{ca} s1d2a1 DOP-BSYXXX-2X4 PAIRS AWG23 U/UTP CAT 6 250MHZ - 100 OHM - DELTA - ISO11801/TIA-EIA 568-B.2 CE LSZH F2 SA SD 001M

Standards

HD 60 364 - 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 1:2011
EN 50288-6-1:2013 - ANSI/TIA-568-C.2:2009
EN 60216

Euroclass C_{ca} s1d2a1

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

