


Construction

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| 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 Cca 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 1:2010
EN 50288-6-1:2013 - ANSI/TIA-568-C.2:2009
EN 60216

Euroclass Cca 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%

| Frequency (MHz) | Attenuation (dB/100m) | Return Loss (dB) | NEXT (dB) |
|-----------------|-----------------------|------------------|-----------|
| 1 | 2.00 | 20.00 | 74.30 |
| 4 | 3.80 | 23.00 | 66.30 |
| 10 | 6.00 | 25.00 | 60.30 |
| 16 | 7.60 | 25.00 | 57.20 |
| 25 | 9.50 | 24.30 | 54.30 |
| 31.25 | 10.70 | 23.60 | 52.90 |
| 100 | 19.80 | 20.10 | 45.30 |
| 200 | 29.00 | 18.00 | 40.80 |
| 250 | 32.80 | 17.30 | 39.30 |

