

**Construction**

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|---|---|
| 1 Conductor
Diameter | Solid Bare Copper
AWG 23 |
| 2 Insulation Color Code | Solid PE |
| Pair 1 (insulation Ø 1.15 ± 0.05) | Blue/White-Blue |
| Pair 2 | Orange/White-Orange |
| Pair 3 | Green/White-Green |
| Pair 4 | Brown/White-Brown |
| (pair 2-4 insulation Ø 1.03 ± 0.05) | |
| 3 Central Cross | PE Spline |
| 4 Synthetic Polyester Foil
Coverage | >100% |
| 5 Drain Wire
Diameter (mm) | Solid Tinned Copper
0.40 ± 0.05 |
| 6 Shielding
Coverage | Al / PES Bleu
>100% |
| 7 Sheat
Diameter (mm) | LSZH
6.90 ± 0.40 |
| Color | Green - RAL 6018
Color on request |

Marking

B-CABLES SMART  LINE EN50575 Cca s1d1a1 DOP-BSYXXX-4 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 Cca 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%

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

