


### Construction

<b>1 Conductor</b> Diameter	<b>Solid Bare Copper</b> AWG 23
<b>2 Insulation</b> Color Code Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	<b>Solid PE</b> 0.98 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
<b>3 Central Cross</b>	<b>PE Spline</b>
<b>4 Sheath</b> Diameter (mm) Color	<b>LSZH</b> 6.0 ± 0.5 Blue RAL 5015 Color on request

### Marking

B-CABLES SMART  LINE EN50575 B2<sub>ca</sub> s1d1a1 DOP-BSYXXX-4 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 B2<sub>ca</sub> 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

