


**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 x 2 ± 0.5 Green RAL 6016 Green RAL 6018 Color on request

**Marking**

B-CABLES SMART  LINE EN50575 C<sub>ca</sub> 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** C<sub>ca</sub> 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

