

**Construction**

<b>1 Conductor</b>	<b>Solid Bare Copper</b>
Diameter	AWG 24
<b>2 Insulation Color Code</b>	<b>Solid PE</b>
Diameter (mm)	0.90 ± 0.05
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown
<b>3 Sheath</b>	<b>LSZH</b>
Diameter (mm)	5,20 ± 0,50
Color	Green - RAL 6027

**Marking**

B-CABLES SMART **∞**LINE EN 50575 C<sub>ca</sub> s1D1a1 DOP-BSYXXX-4 PAIRS  
 AWG 24 U/UTP CAT 5E 200 MHZ - 100 OHM - ISO 11801/TIA-EIA  
 568-B.2 CE LSZH F2 SA SD 001M

**Standards**

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 50288-11-1:2012  
 ANSI/TIA-568-C.2:2009

**Euroclass C<sub>ca</sub> s1d1a1**

**Electrical characteristics**

Characteristics Impedance @ 1~100 MHz (Ω)	100 ± 15
Conductor DC Resistance @ 20 °C (Ω/km)	≤ 96
Rated Temperature	-10 ~ +70 °C
Nominal Velocity of Propagation	69%

Frequency (MHz)	Attenuation (dB/100m)	Return Loss (dB)	NEXT (dB)
1	2.04	20.00	65.30
4	4.10	23.00	56.30
10	6.90	25.00	50.30
16	8.60	25.00	47.20
20	9.40	25.00	45.80
25	10.40	24.30	44.30
31.25	11.70	23.60	42.90
62.5	17.00	21.50	38.40
100 MHz	22.00	20.10	35.30

