

Construction

1 Conductor	Solid Bare Copper
Diameter	AWG 23
2 Insulation Color Code	Skin-Foam-Skin PE
Diameter (mm)	1.35 ± 0.05
Pair 1	Blue / White-Blue
Pair 2	Orange / White-Orange
Pair 3	Green / White-Green
Pair 4	Brown / White-Brown
3 Each Pair Shield	Al-Pet (Al outside) Foil
Coverage	≥ 115%
4 Drain Wire	
5 General Shield	Braid
Formation (mm)	8x7x0.12
Coverage	30%
6 Outer Jacket	LSZH
Diameter (mm)	7.20 ± 0.30
Jacket Color	Green RAL 6018

Marking

B-CABLES SMART∞LINE EN 50575 Cca s1d1a1 DOP-BSY68C-21 ZZWVYY 4 PAIRS AWG 23 S/FTP CAT 6A 500 MHZ - 100 OHM - DELTA - ISO 11801 TIA/EIA 568-B2 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 AI:2010
 EN 50288-11-1:2012 - ANSI/TIA-568-C.2:2009

Euroclass Cca s1d1a1

Electrical Characteristics

Characteristics Impedance (Ω)
 @ 1~250 MHz (Ω) 100 ± 15
 @ 250~500MHz (Ω) 100 ± 25
 Conductor DC Resistance @ 20°C (Ω/km) 95
 Nominal Velocity of Propagation 75%

	Attenuation	Return Loss	NEXT
4 MHz	3.8	23.00	66.3
10 MHz	5.9	25.00	60.3
16 MHz	7.5	25.00	57.2
25 MHz	9.4	25.00	54.3
31.25 MHz	10.5	23.6	52.9
100 MHz	19.1	20.1	45.3
200 MHz	27.6	18.0	40.8
250 MHz	31.1	17.3	39.3
300 MHz	34.3	17.3	38.1
400 MHz	40.1	17.3	36.3
500 MHz	45.3	17.3	34.8

