Construction

1	**Conductor**	**Solid Bare Copper**
	Diameter	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**	**Solid Tinned Copper**
	Diameter (mm)	0.40 ± 0.05
6	**Shielding**	**Al / PES Bleu**
	Coverage	>100%
7	**Sheat**	**PVC**
	Diameter (mm)	6.90 ± 0.40
	Color	Grey - RAL 7035

Marking

B-CABLES EN50575 E_{CA} DOP-BSYXXX-4 PAIRS AWG 23 F/UTP CAT 6 250MHZ - 100 OHM - ISO11801/TIA-EIA 568-B.2 CE PVC 001M

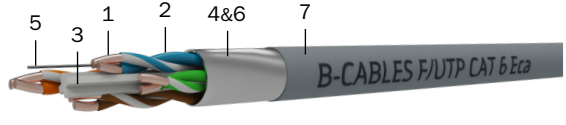
Standards

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
Euroclass E_{ca}

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	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



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