

Construction

1 Conductor Diameter	Solid Bare Copper AWG 23
2 Insulation Color Code	Solid PE
Pair 1	Blue/White-Blue
Pair 2	Orange/White-Orange
Pair 3	Green/White-Green
Pair 4	Brown/White-Brown
3 Central Cross	PE Spline
4 Synthetic Polyester Foil Coverage	>100%
5 Drain Wire	Solid Tinned Copper
6 Shielding Coverage	Al / PES Bleu >100%
7 Sheat Diameter (mm)	PVC 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%

	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

