

Construction

1 Conductor Diameter	Solid Bare Copper AWG 23
2 Insulation Color Code	Solid PE
Diameter (mm)	0.98 ± 0.05
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 Sheath	PVC
Diameter (mm)	6.0 x 2 ± 0.5
Color	Grey - RAL 7035 Blue - RAL 5015

Marking

B-CABLES EN50575 E_{ca} DOP-BSYXXX-2X4 PAIRS AWG 23 U/UTP CAT 6 250MHZ - 100 OHM - ISO11801/TIA-EIA 568-B.2 CE 001M

Standards

Comply with EIA/TIA 568 & ISO/IEC 11801 CAT 6 Standard
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	69%

	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

