

Construction

1 Conductor Diameter	Solid Bare Copper AWG 24
2 Insulation Color Code Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	Solid PE 0.85 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
3 Small Central Cross	PE Spline
4 Sheath Thickness (mm) Diameter (mm) Color	PVC 0.40 5.10 ± 0.25 White RAL - 9003 Blue RAL - 5015 Grey RAL - 7035

Marking

B-CABLES EN50575 E_{ca} DOP-BSYXXX-4 PAIRS AWG24 U/UTP CAT 6 250MHZ – 100 OHM – ISO11801/TIA-EIA 568-B.2 CE PVC 001M

Standards

Comply with FLUKE ISO CLASS E Perm.Link 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
Rated Temperature	60 °C
Nominal Velocity of Propagation	69%

	Attenuation	Return Loss	NEXT
1 MHz	4.0	21.00	65.0
4 MHz	4.0	21.00	64.1
10 MHz	5.6	21.0	57.8
16 MHz	7.1	20.0	54.6
31.25 MHz	10.00	18.50	50.00
100 MHz	18.5	14.0	45.1
200 MHz	27.1	11.0	36.9
250 MHz	30.7	10.0	35.3

