

**Construction**

<b>1 Conductor</b> Diameter	<b>Solid Bare Copper</b> AWG 24
<b>2 Insulation</b> Color Code Diameter (mm) Pair 1 Pair 2 Pair 3 Pair 4	<b>Solid PE</b> 0.98 ± 0.05 Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
<b>3 Central Cross</b>	<b>PE Spline</b>
<b>4 Sheath</b> Diameter (mm) Color	<b>PVC</b> 6.0 ± 0.5 Grey - RAL 7035 Blue - RAL 5015

**Marking**

B-CABLES EN50575 C<sub>ca</sub> s3D2A3 DOP-BSYXXX-4 PAIRS AWG24  
U/UTP CAT 6 250MHZ – 100 OHM – ISO11801/TIA-EIA 568-B.2  
CE PVC 001M

**Standards**

Comply with EIA/TIA 568 & ISO/IEC 11801 CAT 6 Standard  
**Euroclass C<sub>ca</sub> s3d2a3**

**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%

	<b>Attenuation</b>	<b>Return Loss</b>	<b>NEXT</b>
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

