

# LAN CABLE CAT. 5 PE

## DESIGN

### Conductor

Solid Bare Copper (Construction: 1x0.51mm)

### Insulation

Polyethylene (PE)

### Cores:

Brown – White/Brown, Blue-White/Blue, Green-White/Green, Orange-White/Orange

### Tape:

Twisted conductors in pair, corded on a helical separator

### Outer sheath:

Polyethylene (PE), Black RAL 9005

## APPLICATIONS

Unshielded twisted pair cable for Cat. 5E networks (up to 100 MHz). The polyethylene jacket (PE) makes the cable suitable for direct underground installation.

## TECHNICAL DATA

<b>Conductor Loop Resistance</b>	178 Ω/Km
<b>Mutual Capacity C1</b>	49 pF/m
<b>Velocity Ratio</b>	69 %
<b>Voltage Rating Uo/U</b>	500V
<b>Test Voltage</b>	1200V (AC)
<b>Insulation Resistance</b>	>20 MOhm/KM
<b>Temperature Range</b>	-15°C - +70°C (Fixed)
<b>Minimum Bending Radius</b>	10x Diameter (Fixed)
<b>CPR</b>	FCA (According to EN 50575)

Frequency (MHz)	0.7	1.0	4.0	10.0	16.0	20.0	31.3	62.5	100.0
<b>Attenuation (dB / 100 MT)</b>	1.8	2.1	4.3	6.6	8.2	9.2	11.8	17.1	22.0
<b>Next (Min. DB)</b>	75.0	63.3	52.5	43.9	39.0	36.5	31.3	22.2	14.1

## DIMENSIONS

Section (mm <sup>2</sup> )	Insulation Diameter (mm)	Outer Diameter (mm)	Approx. Weight (kg/km)
4x2xAWG23/1	1.05 ± 0.05	6.00 ± 0.10	35