

CAT5 UTP & CAT6 UTP

Construction

CAT5: Solid / Stranded copper conductors 1x0.51mm ± 0.01mm, insulated with PE Ø 0.9mm ± 0.02mm. 4 twisted pairs.

Solid / Stranded.

CAT6: Solid / Stranded copper conductors 4x2x0.574mm ± 0.01mm, insulated with high density low molecular weight polyethylene Ø 1.05mm ± 0.05mm.

Solid / Stranded.

Applications

Network cables.

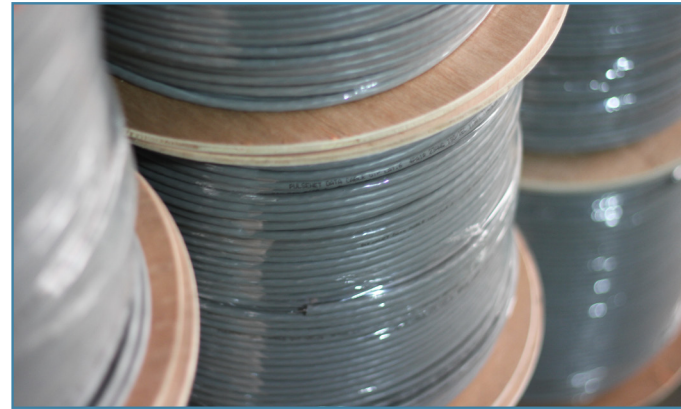
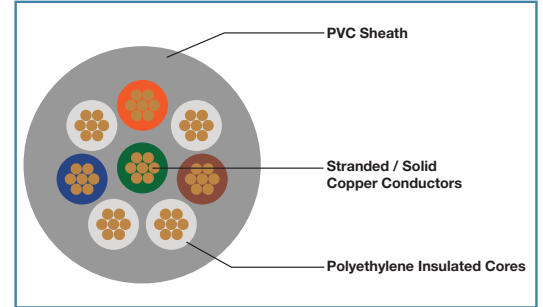
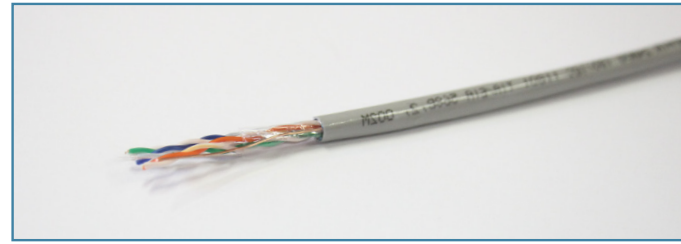
Also available in the following constructions: FTP, STP and SFTP.

Also available in a copper clad aluminium option.

Packaging

Available in 500 metre drums.

Cut lengths available on request.



Specification	CAT5	CAT6
Voltage	250 V	250 V
Test Voltage	1500 V	1500 V
Insulation Resistance	> 20 MΩ/km @ 20°C	> 20 MΩ/km @ 20°C
Electrical Resistance	< 145 Ω/km @ 20°C	< 145 Ω/km @ 20°C
Impedance	67 Ω	67 Ω
Capacitance	Cond: 120 nF/km, Shield: 160 nF/km	Cond: 120 nF/km, Shield: 160 nF/km
Operating Temperature	-20°C to +85°C	-20°C to +85°C
Minimum Bending Radius	5 x Cable Diameter	5 x Cable Diameter
Colour Code	Pair 1 - Blue / White Pair 2 - Orange / White Pair 3 - Green / White Pair 4 - Brown / White	Pair 1 - Blue / White-Blue Pair 2 - Orange / White-Orange Pair 3 - Green / White-Green Pair 4 - Brown / White-Brown
Outer Sheath	Outer Diameter: 5.4±0.2mm RoHS PVC Grey RAL 7001 Nominal Thickness: 0.55mm Perfectly round cable: 1/2 pressure extrusion 83±5 shore A nominal	Outer Diameter: 6.5±0.3mm RoHS PVC Grey RAL 7001 Thickness: 0.56mm±0.05mm Perfectly round cable: 1/2 pressure extrusion Ripcord Nylon Tensile Strength > 13.8Mpa Elongation > 150%