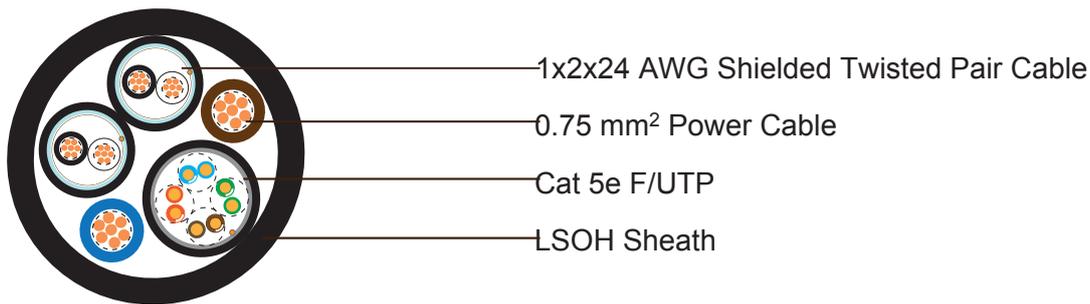


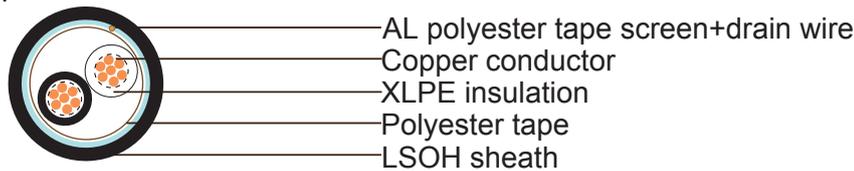


2x1x2x24AWG Twisted Pair + 2x1x0.75 Power Cables + Cat5e F/UTP LSZH Sheathed Unarmored Composite Cable

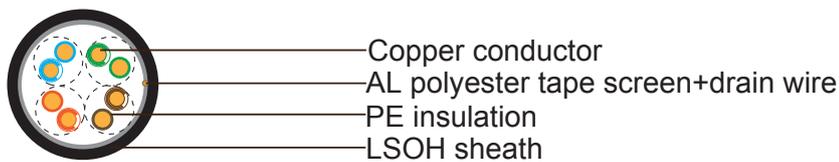
Construction:



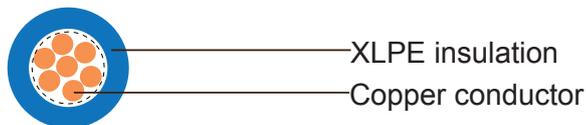
Twisted Pair



Cat 5e F/UTP

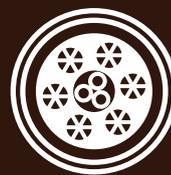


Power Cable



2x1x0.75mm² Power Cable

Conductor	Stranded copper wire , class 2 to IEC 60228
Insulation	XLPE. Nominal thickness 0.7mm. Overall diameter 2.5mm
Insulation Color	Brown and blue.



2x1x2x24AWG Twisted Pair

Conductor	7/0.2mm stranded copper wire .
Insulation	XLPE. Nominal thickness 0.4mm.
Insulation Color	Black and white.
Screen	Alumminum tape with tinned copper drain wire.
Sheath	LSZH sheath. Nominal thickness 0.76 mm. Overall diameter 4.8mm
Sheath Color	Black and grey.

Cat 5e F/UTP

Conductor	4x2x24 AWG plain copper.
Insulation	PE material. Nominal diameter is 0.91mm.
Insulation Color	White-orange,Orange;White-blue,Blue; White-green,Green;White-brown,Brown.
Screen	Alumminum tape with tinned copper drain wire.
Sheath	LSZH sheath. Nominal overall diameter is 6.7mm.
Sheath Color	Black or Grey or Blue. Other colors also available upon request.
Applications	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T. IEEE 802.5 16 MB; ISDN; TPDDI; ATM.
Standards	ISO/IEC 11801, ANSI/TIA 568B.

Element Assembly

Filler	PE material.
Wrapping Tape	Polyester tape or woven tape.
Outer Sheath	LSZH. Nominal thickness 1.8mm. Nominal overall diameter is 15.3+/-1mm.
Sheath Color	Black. Other colors also available upon request.



Electrical and Physical Properties @ 20°C:

Power Cable

Max. Electrical Resistance: 24.5 Ohm/km
Min. Insulation Resistance: 1000 MOhm/km
Operating Temperature: -20°C/+90°C
Voltage rating: 0.6/1KV

Twisted Pair

Max. Electrical Resistance: 90 Ohm/km
Min. Insulation Resistance: 1000 MOhm/km
Operating Temperature: -20°C/+90°C
Voltage rating: 300/500V

Cat5e F/UTP (1-100MHz)

Max. Electrical Resistance: 93.8 Ohm/km
Min. Insulation Resistance: 2000 MOhm/km
Operating Temperature: -20°C/+90°C
Max. Resistance Unbalance: 5%
Max. Mutual Capacitance: 5.6nF/100m
Max. Capacitance Unbalance: 330pF/100m
Characteristic Impedance : 100 ± 15 (1-100MHz)
Nominal Velocity of Propagation: 69%
Max. Propagation Delay : 536ns/100m@100MHz
Max. Propagation Delay skew : 30ns/100m

* The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.