



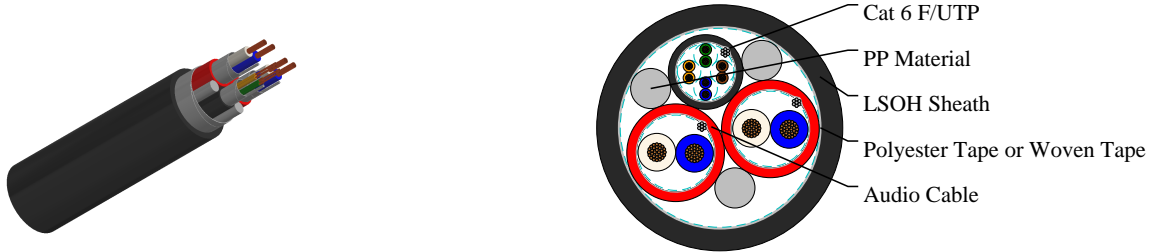
# Caledonian

Composite Cables

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## 2x(2C1.5mm<sup>2</sup>) Audio Cable+Cat6 F/UTP LSZH Sheathed Unarmoured Composite Cable



### FIRE PERFORMANCE

Low Smoke Capacity	IEC61034-1/2
Halogen Free	IEC60754-1/2
Flame Propagation	IEC60332-22
Fire Resistant	IEC60331
Flame Retardance	IEC60332-1-2
Oxygen Index	ISO 4589-2
Temperature Index	ISO 4589-3

### CABLE CONSTRUCTION

#### 2Cx1.5mm<sup>2</sup> Audio Cable

Conductor: 1.5mm<sup>2</sup> Stranded copper wire, class 5 to IEC60228

Insulation: Fire resistant silicone rubber compound. Nominal thickness 0.8mm

Insulation Color: White and blue

Screen: Alumminum tape with tinned copper drain wire

Sheath: LSZH sheath. Nominal thickness 1mm

Sheath Color: Red

General Standard: Basic design to EN50288-7

#### Cat 6 F/UTP

Conductor: 24 AWG stranded plain copper

Insulation: PE material. Nominal diameter is 0.97mm

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 6.5 mm

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

Standard: ISO/IEC 11801, IEC 61156-5,EN 50173,ANSI/TIA 568B

Element Assembly

Filler: PP material



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Wrapping Tape: Polyester tape or woven tape  
Outer Sheath: High flexible LSZH. Nominal thickness 1.8mm  
Sheath Color: Black. Other colors also available upon request

## PHYSICAL AND THERMAL PROPERTIES

Electrical and Physical Properties@20°C:

Audio Cable

Max.Electrical Resistance: 12.3Ohm/km

Min. Insulation Resistance: 1000 MOhm/km

Operating Temperature: -20°C/+90°C

Cat 6 F/UTP

Conductor 24 AWG stranded plain copper.

Insulation PE material. Nominal diameter is 0.97mm.

Insulation Color White-orange,Orange;White-blue,Blue;

Sheath LSZH sheath. Nominal overall diameter is 6.5 mm.

Sheath Color Black or Grey or Blue. Other colors also available upon request.

White-green,Green;White-brown,Brown.

Screen Aluminum tape with tinned copper drain wire.

Voltage rating: 300/500V

Insulation spark test: 7000 V r.m.s./H.F.

Max. Attenuation: 0.88 dB/km @800HZ

Max. Inductance: 0.75mH/km

Cat6 F/UTP(1-250MHz)

Max.Electrical Resistance: 93.8 Ohm/km

Min.Insulation Resistance: 2000 MOhm/km

Applica t i o n s IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;

Standards ISO/IEC 11801, IEC 61156-5,EN 50173,ANSI/TIA 568B.

IEEE 802.5 16 MB; ISDN; TPDDI; ATM.

Operating Temperature: -20°C/+70°C

Max.Resistance Unbalance: 5%

Max. Mutual Capacitance: 5.6nF/100m

Max. Capacitance Unbalance: 330pF/100m

Characteristic Impedance :  $100 \pm 15$  (1-250MHz)

Nominal Velocity of Propagation: 69%

Max. Propagation Delay : 536ns/100m@100MHz

Max.Propagation Delay skew : 45ns/100m(1-125MHz)

Test voltage (DC, 1 min) Core/Core : 1000V