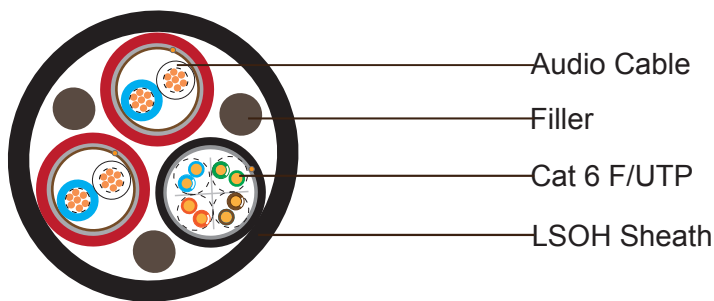


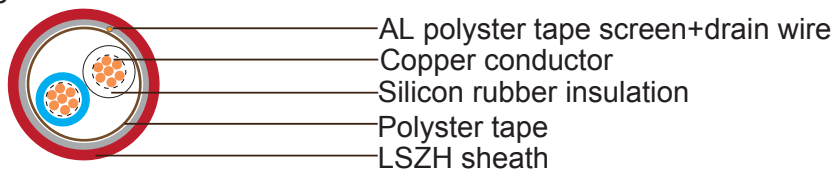


### 2X(2C1.5mm<sup>2</sup>) Audio Cable + Cat6 F/UTP LSZH Sheathed Unarmoured Composite Cable

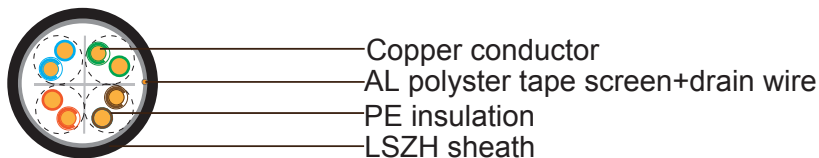
#### Construction:



Audio Cable

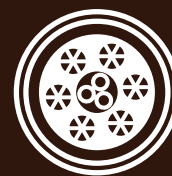


Cat 6 F/UTP



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

<b>Conductor</b>	1.5mm <sup>2</sup> Stranded copper wire, class 5 to IEC60228.
<b>Insulation</b>	Fire resistant silicone rubber compound. Nominal thickness 0.8mm.
<b>Insulation Color</b>	White and blue.
<b>Screen</b>	Aluminium tape with tinned copper drain wire.
<b>Sheath</b>	LSZH sheath. Nominal thickness 1.0 mm.
<b>Sheath Color</b>	Red.
<b>General Standard</b>	Basic design to EN50288-7.



## Composite Cables

### Cat 6 F/UTP

<b>Conductor</b>	24 AWG stranded plain copper.
<b>Insulation</b>	PE material. Nominal diameter is 0.97mm.
<b>Insulation Color</b>	White-orange, Orange; White-blue, Blue; White-green, Green; White-brown, Brown.
<b>Screen</b>	Alumminum tape with tinned copper drain wire.
<b>Sheath</b>	LSZH sheath. Nominal overall diameter is 6.5 mm.
<b>Sheath Color</b>	Black or Grey or Blue. Other colors also available upon request.
<b>Applications</b>	IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; IEEE 802.5 16 MB; ISDN; TPDDI; ATM.
<b>Standards</b>	ISO/IEC 11801, IEC 61156-5, EN 50173, ANSI/TIA 568B.

### Element Assembly

<b>Filler</b>	PP material .
<b>Wrapping Tape</b>	Polyester tape or woven tape.
<b>Outer Sheath</b>	High flexible LSZH. Nominal thickness 1.8mm.
<b>Sheath Color</b>	Black. Other colors also available upon request.

## Electrical and Physical Properties@20°C:

### Audio Cable

**Max. Electrical Resistance:** 12.3 Ohm/km

**Min. Insulation Resistance:** 1000 MOhm/km

**Operating Temperature:** -20°C/+90°C

**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

**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

## Fire Performance:

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### Audio Cable

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

### Cat6 F/UTP

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

### Element Assembly

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

\* 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.2