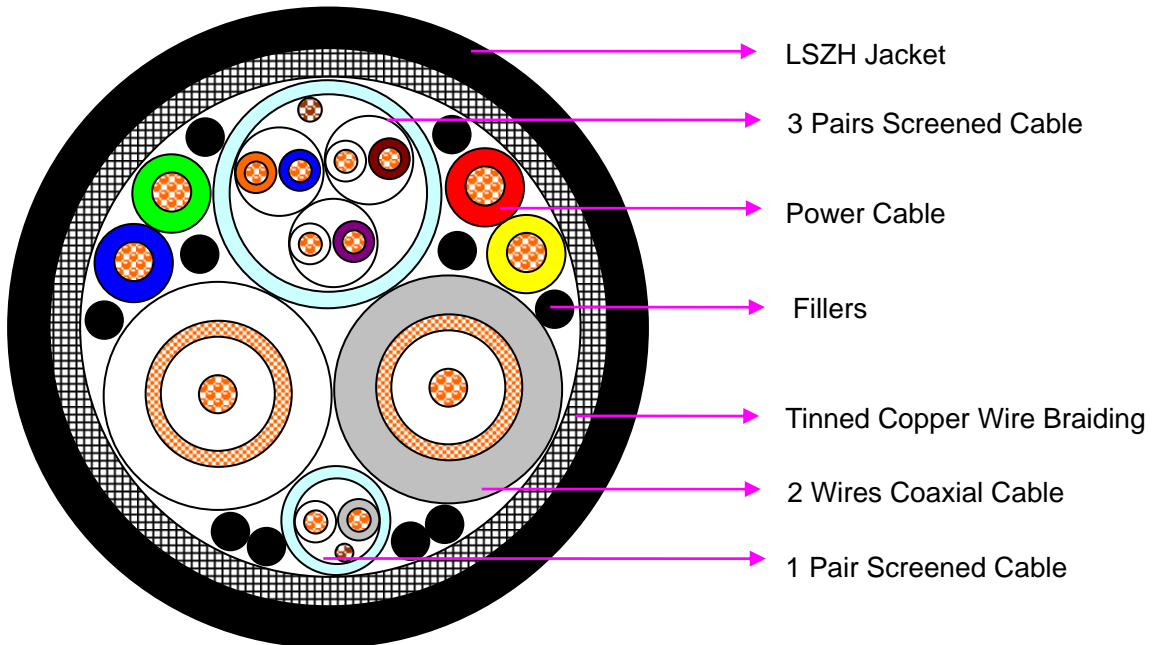




COMPOSITE CABLE

CONSTRUCTION



1) 4 Cores Power Conductor

Conductors: Stranded tinned copper wire 32/0.20mm.

Insulation: LSZH.

Thickness of Insulation: 0.45mm

Diameter of Insulation: 2.20mm

2) 1 Pair Screened Conductor

Conductors: Stranded tinned copper wire 16/0.20mm.

Insulation: LSZH.

Thickness of Insulation: 0.30mm

Diameter of Insulation: 1.60mm

Twisting: 2 wires twisted to a pair

Screening: Aluminum/Polyester tape with tinned copper drain wire 16/0.20mm.

Overall Diameter of Cable: 3.40mm.



3) 3 Pairs Screened Conductor

Conductors: Stranded tinned copper wire 16/0.20mm.

Insulation: LSZH.

Thickness of Insulation: 0.30mm

Diameter of Insulation: 1.60mm

Twisting: 2 wires twisted to a pair

Screening: Aluminum/Polyester tape with tinned copper drain wire 16/0.20mm.

Overall Diameter of Cable: 5.50mm.

4) 2 Wires Coaxial Cable

Conductors: Stranded bare copper wire 7/0.29mm.

Insulation: Foam Skin PE.

Diameter of Insulation: 3.50mm

Shielding: Bare copper wire braiding 0.13mm diameter

Shielding Coverage: 95%.

Sheath: LSZH.

Thickness of Sheath: 0.80mm

Overall Diameter of Cable: 5.70+/-0.10mm

5) Element Assembly

Filler: PP

Wrapping: Polyester Tape.

Braiding: Tinned copper wire braiding 0.20mm diameter

Outer Jacket: LSZH

Thickness of Outer Jacket: 1.30mm

Overall Diameter of Cable: 16.50+/-0.50mm

ELECTRICAL CHARACTERISTICS

1) 4 Cores Power Conductor



Max. Conductor Resistance (1.00mm²): 22 ohms/km

Min. Insulation Resistance: 20 Mohms.km

2) 1 Pair Screened Conductor

Max. Conductor Resistance (0.50mm²): 42 ohms/km

Min. Insulation Resistance: 20 Mohms.km

3) 3 Pairs Screened Conductor

Max. Conductor Resistance (0.50mm²): 42 ohms/km

Min. Insulation Resistance: 20 Mohms.km

4) 2 Wires Coaxial Cable

Max. Conductor Resistance: 42 ohms/km

Min. Insulation Resistance: 10 Gohms.km

Capacitance Impedance: 75±4 ohms

Attenuation: 10MHz: 3.40 dB/100m

50MHz: 7.50 dB/100m

100MHz: 10.80 dB/100m

200MHz: 15.40 dB/100m

500MHz: 27.50 dB/100m

PHYSICAL CHARACTERISTICS

Temperature Range: -40°C to +80°C

Voltage Rating: 300/500V

Min Bending Radius: 10XOD

OTHER CHARACTERIST

Halogen Free

Low Smoke

Sunlight Resistant

RoHS Compliant

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.