



Caledonian

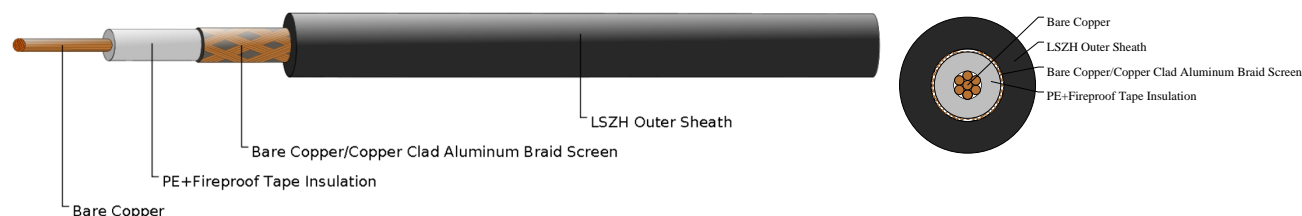
Airport Cables

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CCTV (Closed Circuit TV) Video Cable

KX6 LH-FR



APPLICATIONS

The cables are designed for CCTV, security, smoke detection and evacuation monitoring applications, where continued functionality is required during a fire situation. Due to the zero halogen low smoke construction, this cable is ideal for use in public, commercial and industrial environments.

FIRE PERFORMANCE

Basic design	MIL-C-17
Halogen Free	IEC 60754-1
No corrosive gas emission	IEC 60754-2
Minimum Smoke Emission	IEC 61034/1/2
Reduced Fire Propagation	IEC 60332-3C / NF C 32-070-2.2 (C1)
Flame Retardance	IEC 60332-1 / NF C 32-070-2.1 (C2)
Fire Resistance	IEC 60331 / NF C 32070-2.3(CR1)

CABLE CONSTRUCTION

Conductors: Bare Copper.

Insulation: Solid PE+fire resistant tape.

Braid screen: Bare copper/copper clad aluminum(CCA)(80% coverage).

Outer Sheath: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1.

PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation (fixed state): -30°C - +70°C

Temperature range during installation (mobile state): -5°C - +60°C

Min. Bending Radius: 8 × Overall Diameter

Electrical Properties

Impedance:75±5 Ohm

Nominal capacitance:67 pF/m

Velocity of propagation:66%

Insulation resistance:>5000 Mohm.Km

Inner conductor resistance:87.5 Ohm/Km



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Outer conductor resistance: 21/32.5 Ohm/Km

Operating temperature range: 70 °C

DIMENSION AND PARAMETERS

Caledonian Cable Code	No./Nominal Diameter of Strands	Nominal Diameter over Insulation	Nominal Sheath Thickness	Nom. Overall Diameter
	no./mm	mm	mm	mm
KX6 LH-FR	7/0.2	3.7	1	6.1



Fire Resistant
IEC 60331-21



Flame Retardant
NF C32-070-2.1(C2)
IEC60332-1-2/EN50265-2-1



Halogen Free
IEC 60754-1



Low Corrosivity
IEC60754-2/EN50267-2-2/3
NF C32-074/NF C20-453



Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/NF C 20-902



Reduced Fire Propagation
NF C32-070-2.2(C1)
IEC60333-3-24/EN50266-2-4