



Caledonian

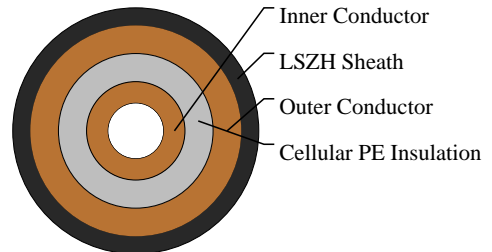
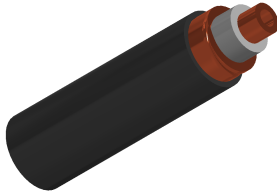
Railway Cables

www.caledonian-cables.com

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K26 LSZH 50Ohm Coaxial Cables

RS/K26-F-HCTAYZ-50-32(1'1/4)



APPLICATIONS

The 50 Ohm cables are HF transmission coaxial cables for GSM antennas. The Halogen-free cables are suitable for laid on hooks, and pulled through walls or through technical ducts.

STANDARDS

RATP K26

Fire Performance: NF C 32070.2.2

CABLE CONSTRUCTION

Inner Conductors: Flexible Type (F)-red copper tube.

Dielectric: Cellular PE insulation.

Outer Conductor: Corrugated copper tube.

Outer sheath: LSZH

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 7.5xOD

Temperature Range: 50 ohm cables: -40°C to +85°C (during operation); -20°C to +60°C (during installation);

Electrical Properties

Electrical Characteristics at 20°C:

Type of Cable: 1'1/4F inch

Impedance: 50 Ω

Attenuation

@10MHz: 0.25 dB/100m

@150MHz: 1.02 dB/100m

@200MHz: 1.19 dB/100m

@450MHz: 1.86 dB/100m

@900MHz: 2.75 dB/100m

@1000MHz: 2.93dB/100m

@1500MHz: 3.72 dB/100m

@1700MHz: 4.01 dB/100m



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Average Power Rating

@10MHz:41 KW

@150MHz:11 KW

@200MHz:9KW

@450MHz:5.5 KW

@900MHz:3.83 KW

@1000MHz:3.6 KW

@1500MHz:2.82 KW

@1700MHz:2.61 KW

Velocity of Propagation:88%

DIMENSION AND PARAMETERS

Conductor Diameter	Nominal Outer Conductor Diameter	Nom. Overall Diameter	Approx. Weight
mm	mm	mm	kg/km
13	35.7	39.5	1133



Acid & Alkaline
Resistant



Fire Retardant
NF C32-070-2.2(C1)
IEC60332-3-24/EN50266-2-4



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



Impact Resistant



Laid In Ducts



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



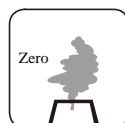
Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/NF C 20-902



Low Toxicity



Mineral Oil Resistant



Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C20-454