



Caledonian

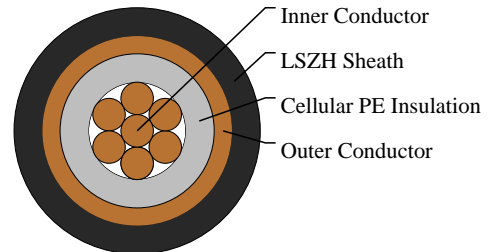
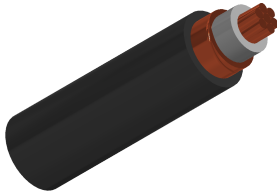
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

K26 LSZH 50Ohm Coaxial Cables

RS/K26-HRYZ-50-5(1/4" XF)



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: Extra Flexible (XF) – copper wire conductor.

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: 1/4"XF inch

Impedance: 50 Ω

Attenuation

@10MHz: 2.31 dB/100m

@150MHz: 7.44 dB/100m

@200MHz: 8.54 dB/100m

@450MHz: 14.3 dB/100m

@900MHz: 20.5 dB/100m

@1000MHz: 21.83 dB/100m

@1500MHz: 27.13 dB/100m

@1700MHz: 29.5 dB/100m



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Average Power Rating

@10MHz:3.8 KW

@150MHz:0.9 KW

@200MHz:0.8 KW

@450MHz:0.51 KW

@900MHz:0.37 KW

@1000MHz:0.34 KW

@1500MHz:0.26 KW

@1700MHz:0.24 KW

Velocity of Propagation:84%

DIMENSION AND PARAMETERS

Conductor Diameter	Nominal Outer Conductor Diameter	Nom. Overall Diameter	Approx. Weight
mm	mm	mm	kg/km
2.75	5.6	6.85	69



Acid & Alkaline Resistant



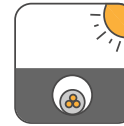
Fire Retardant
NF C32-070.2.2.(C1)
IEC60332-3-24/EN50266-2.4



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