



Caledonian

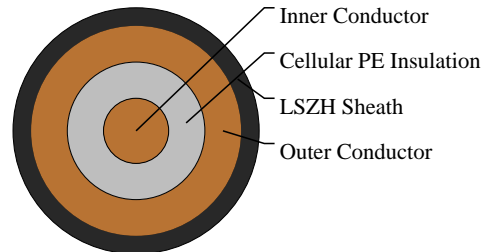
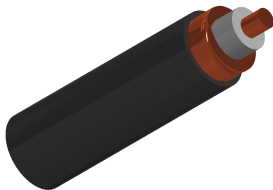
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

K26 LSZH 50Ohm Coaxial Cables

RS/K26-HRCAYZ-50-9(1/2" SF)



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: Super Flexible Type (SF)- solid copper coated aluminium 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: 1/2" SF inch

Impedance: 50 Ω

Attenuation

@10MHz: 0.83 dB/100m

@150MHz: 3.87 dB/100m

@200MHz: 4.53 dB/100m

@450MHz: 7.09 dB/100m

@900MHz: 10.45 dB/100m

@1000MHz: 11.09 dB/100m

@1500MHz: 13.98 dB/100m

@1700MHz: 15.03 dB/100m



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Average Power Rating

@10MHz:8.4 KW

@150MHz:2.1 KW

@200MHz:1.81 KW

@450MHz:1.18 KW

@900MHz:0.815 KW

@1000MHz:0.77 KW

@1500MHz:0.616 KW

@1700MHz:0.575 KW

Velocity of Propagation:82%

DIMENSION AND PARAMETERS

Conductor Diameter	Nominal Outer Conductor Diameter	Nom. Overall Diameter	Approx. Weight
mm	mm	mm	kg/km
3.6	12.1	13.65	201



Acid & Alkaline Resistant



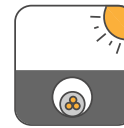
Fire Retardant
NF C32-070.2.2.(C1)
IEC60332-3-24/EN50266-2.4



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



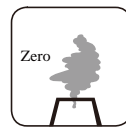
Low Smoke Emission
IEC 61034.2 / EN 50268-2
NF C32-073/NF C 20-902



Low Toxicity



Mineral Oil Resistant



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