



**Caledonian**

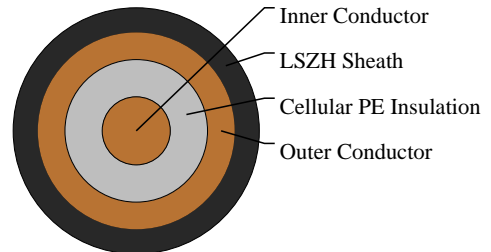
Railway Cables

www.caledonian-cables.com

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## K26 LSZH 50Ohm Coaxial Cables

RS/K26-HRCAYZ-50-7(3/8" 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)-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: 3/8" XF inch

Impedance: 50 Ω

Attenuation

@10MHz: 1.098 dB/100m

@150MHz: 4.38 dB/100m

@200MHz: 5.098 dB/100m

@450MHz: 7.83 dB/100m

@900MHz: 11.4 dB/100m

@1000MHz: 12.1 dB/100m

@1500MHz: 15.1 dB/100m

@1700MHz: 16.2 dB/100m



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### Average Power Rating

@10MHz:7.02 KW

@150MHz:1.76 KW

@200MHz:1.51 KW

@450MHz:0.99 KW

@900MHz:0.68 KW

@1000MHz:0.64 KW

@1500MHz:0.51 KW

@1700MHz:0.48 KW

Velocity of Propagation:85%

### DIMENSION AND PARAMETERS

Conductor Diameter	Nominal Outer Conductor Diameter	Nom. Overall Diameter	Approx. Weight
mm	mm	mm	kg/km
2.76	8	10.1	111



Acid & Alkaline Resistant



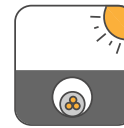
Fire Retardant  
NF C32-070.2.2(C1)  
IEC60332-3-24/EN50266-2.4



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



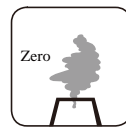
Low Smoke Emission  
IEC 61034.2 / EN 50268-2  
NF C32-073/NF C 20-902



Low Toxicity



Mineral Oil Resistant



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