



Caledonian

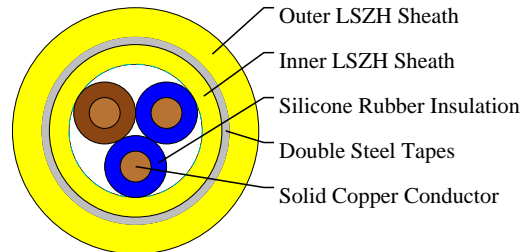
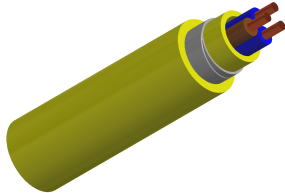
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

K27 Fire Resisting Control Cables (CR1-C1 Class)

RS/K27-2GHBH-3C2.5S-FR



APPLICATIONS

The cables are designed for provide circuit integrity for safety lightning, smoke extraction, ventilation, emergency telephone and exits during fire for underground railways.

STANDARDS

RATP K27 specification

Fire resistant: class CR1

No fire propagation: class C1 RATP (<30cm)

VOLTAGE RATING

300/500

CABLE CONSTRUCTION

Conductors: Class 1 solid conductor.

Insulation: Silicone rubber insulation.

Stranding: Cores are helically stranded in concentric layers.

Inner Sheath: LSZH.

Armour: Two layers of steel tape.

Outer Sheath: LSZH.

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 5xOD (static); 10xOD (dynamic)

Temperature Range: -10°C to +90°C (during operation); -10°C to +60°C (during installation)

DIMENSION AND PARAMETERS

No. of Cores	Nominal Cross-sectional Area	No./ Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Diameter over Insulation	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm ²	no./mm	mm	mm	mm	mm	mm	kg/km
3	2.5	1/1.79	1	3.79	1	1.5	13.5	309



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Acid & Alkaline Resistant



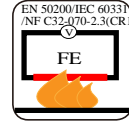
Fire Retardant
NF C32-070-2.2(C1)
IEC60332-3-24/EN50366-2-4



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



Impact Resistant



EN 50200/IEC 60331
NF C32-070-2.5(CR1)
Insulation Integrity FE180



Laid In conduit



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



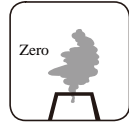
Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/NF C 20-902



Low Toxicity



Mineral Oil Resistant



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