

Caledonian

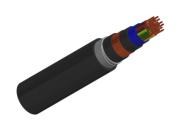
Railway Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

MD4 Fire Resisting Telecom Cables (CR1-C1 Class)

RS/MD4-HH(K)HBH-7Q0.8-FR





APPLICATIONS

The cables are telecommunication cables for tunnel application. The cables are halogen free fire resistant, inductive protected and armoured.

STANDARDS

Fire retardant: NBN C 30-004 F2

Fire resistant: NBN 713-020 Add.3. -RF 1h

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductors: Solid copper conductor, 0.5mm sq nominal cross section area.

Insulation: Mica-tape + LSZH insulation.

Cabling Element:Four conductors are twisted to form a quad. Stranding: Quads are helically stranded in concentric layers.

Core Wrapping: Plastic tape(s) with overlapping.

Inner Sheath: LSZH sheath. Screen: Copper tape screen. Intermediate Sheath: LSZH sheath. Armour: Two layer of steel tape. Outer Sheath: LSZH sheath.

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 10xOD

Temperature Range: -40°C to +60°C (during operation); -10°C +60°C (during installation)

Electrical Properties

Electrical Characteristics at 20° C: Nominal Conductor Diameter:0.8 mm Maximum Conductor Resistance (DC):36.7 Ω /km Minimum Insulation Resistance:100 M Ω .km



Caledonian

Railway Cables www.caledonian-cables.com

marketing@caledonian-cables.com

Maximum Capacitance:120 nF/km Voltage Test 2 mins:0.5 KVac

DIMENSION AND PARAMETERS

No. of Quad	Nominal Cross- sectional Area	Conductor Diameter	Insulation Thickness (min.)	Diameter over	Nominal Inner Sheath Thickness	Nominal Interm. Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm²	mm	mm	mm	mm	mm	mm	mm	kg/km
7	0.5	0.8	0.5	1.8	1	1	1.8	30.7	1074







Buried in Ground







Insulation Integrity FE180



Laid In Ducts







Low Toxcity



Rated voltage

