Caledonian
Railway Cables
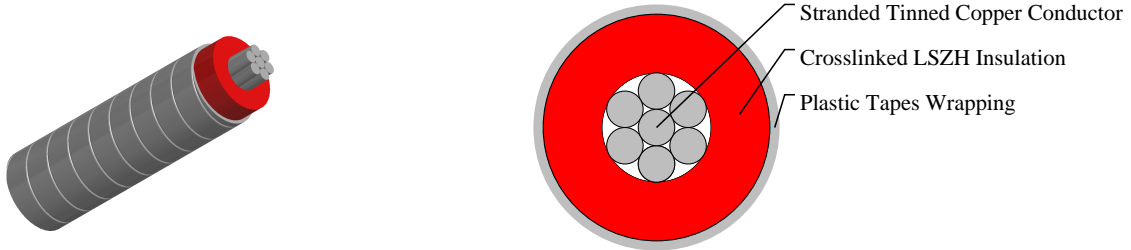www.caledonian-cables.com   marketing@caledonian-cables.com

TYPE A1 Railway Signalling Cable

Type A1(without sheath)
RS/A1-H-1C0.75S(RD)

Stranded Tinned Copper Conductor
Crosslinked LSZH Insulation
Plastic Tapes Wrapping

APPLICATIONS

The cables are designed for railway signalling systems. The cables are suitable for use in d.c. circuits where the nominal voltage to earth does not exceed 1100 volts and are suitable for installation in ducts.

STANDARDS

NR/PS/SIG/00005(formerly RT/E/PS/00005)

VOLTAGE RATING

0.65/1.1 KV

CABLE CONSTRUCTION

Conductors: Tinned stranded copper, class 2 according to IEC 60228 & BS6360
Insulation: LSZH crosslinked
Wrapping: Plastic tape(s) with overlapping

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 6xOD (static); 15xOD (dynamic)
Temperature Range: -25℃ to +85℃ (during operation); -10℃ to +85℃ (during installation)

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	No./Nominal Diameter of Strands	Nominal Insulation Thickness	Overall Diameter (min.)	Overall Diameter (max.)	Approx. Weight	max. conductor resistance
No.×mm²	no./mm	mm	mm	mm	kg/km	Ω/km
1x0.75(red)	7/0.37	0.85	2.7	3.2	16	24.8

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

Highly Flexible

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 Toxcity

Oil Resistant

Rated voltage

Water Resistant

Zero

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