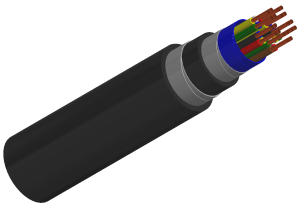
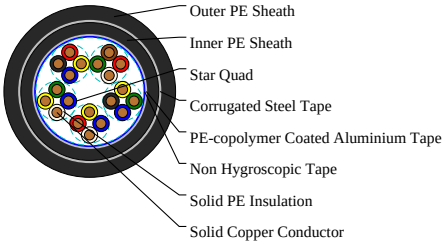
Caledonian
Railway Cables
www.caledonian-cables.com marketing@caledonian-cables.com

EAPSP nx4x1.4

RS/EAPSP-2Y(L)2YB2Y-5Q1.4





APPLICATIONS

The cables are used as railway cables and can be installed directly into the ground or in ducts.

STANDARDS

RENFE E.T. 03.365.051.6

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductors: Soft annealed solid copper.
Insulation: PE Insulation.
Cabling Element: Four insulated conductors are twisted together to form a quad.
Stranding: Star quads are helically stranded in concentric layers.
Core Wrapping: Plastic tape(s) with overlapping.
Moisture Barrier: One laminated sheath made of aluminium tape (0.2mm thick) coated with copolymer on at least one side is applied with longitudinally overlap.
Inner Sheath: PE sheath.
Armour: One corrugated steel tape is longitudinally applied with overlap.
Outer Sheath: PE sheath.

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: 10xOD
Temperature Range: -30℃ to +70℃ (during operation); -10℃ to +50℃ (during installation)

Electrical Properties

Electrical Characteristics at 20°C:
Nominal Conductor Diameter:1.4 mm
Maximum Conductor Resistance:11.7 Ω/km
Minimum Insulation Resistance @500 V DC:25000MΩ.km
Resistance Unbalance:1%
Mutual Capacitance @800Hz:45 nF/km

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

Capacitance Unbalance @800Hz:
K1 mean value/individual value: 35/250 pF/460m
K9-12 mean value/individual value: 35/250 pF/460m
ea1/2 mean value/individual value : 320/1200 pF/460m
Attenuation @1KHz:0.46 dB/km
Test Voltage @50Hz 1min
Core to core:2100 Veff
Core to screen:2500 Veff
Core to armouring:2000 Veff

DIMENSION AND PARAMETERS

No. of Quad	Conductor Diameter	Nominal Diameter over Insulation	Nominal Inner Sheath Thickness	Nominal Outer Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm	mm	mm	mm	mm	kg/km
5	1.4	2.6	1.4	1.6	26.5	770


Buried in Ground


Laid In Ducts


Rated voltage


UV Resistant


Water Resistant

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