

## DESCRIPTION

Railway rolling stock single core cable: 0.6/1kV rated voltage, finned copper, cross-linked halogen free insulation.

## STANDARDS

EN 50264-1, EN 50264-2-1, EN 50266-2-4, EN 50266-2-5  
 EN 50267-2-1, EN 50267-2-2, EN 50305, EN 60228  
 EN 60332-1-2, EN 60811, EN 61034-2  
 ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	1.0mm <sup>2</sup>
Stranding	32/0.20
Diameter	1.3mm
Insulation	XLPO
Minimum Average Thickness	0.8mm
Color	Black
Diameter	3.0±0.2mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	0.6/1kV
Insulation Resistance	≥ 65 MΩ.km
Voltage Withstand	3500 VAC
Conductor DC Resistance	≤ 20 Ω/km

## OTHER CHARACTERISTICS

Working Temperature	-40 ~ +90 °C
Flammability	EN 60332-1-2
Reaction to Fire	EN 50305 9.1.2
Smoke emission percentage light transmittance	≥ 70%
Mineral oil & fuel resistance	Resistance to IRM902 & IRM903
Longterm thermal endurance ageing lifetime	≥ 20000h at 110°C
Toxicity Index (ITC)	≤ 3

## PRINT LEGEND

BYSON ELECTRONICS EN 50264-2-1 600V 1.0 M

## HISTORY

Aug 14, 2019 First issue

Draft