

Telecommunications  
cable

UV Resistant



ROHS compliant

## STANDARDS

LUL G-7621 A2. Type 1.

## DESCRIPTION AND APPLICATION

Telecommunication cables in railway installations from 1 to 3 pairs, diameters of 0.63 and 0.9 mm, insulated with cellular polyethylene and protected with PVC violet sheath, UV resistant for outdoor use. The cables shall be designed for installation in trackside bracket runs and for use within railway equipment rooms. The cables are not intended for use in either trackside toughing where submersion in water is a possibility, not for being laid directly on ballast.

## CONSTRUCTION

- **Conductors:** Annealed copper, diameters of 0.63 and 0.9 mm.
- **Insulation:** Cellular polyethylene.
- **Lay-up:** Pairs.
- **Core wrapping:** Longitudinal dielectric tape applied with overlap.
- **Sheath:** Violet PVC and UV resistant.
- **Sheath marking:** The outer sheath shall be marked at regular intervals with the following information:
  - Name of Manufacturer / year / Length markings
  - Other type of markings is also possible according to the customer.



ELECTRICAL CHARACTERISTICS (20°C)	0,63	0,91
Maximum conductor Resistance ( $\Omega/km$ )		
• Average value	57,5	28
• Maximum value	59	29
Minimum insulation resistance ( $M\Omega \times km$ , 15°C, 500 V)	1500	
Maximum mutual capacitance ( $nF/km$ , 800 Hz)	59	
Capacitance unbalance ( $pF/460m$ , 800 Hz)		
Pair-pair	100	
Pair-Earth	1200	

All drawings, designs, specifications and particulars of weights, dimensions, etc. in this documentation are only indicative and must not be considered contractual.

**MECHANICAL CHARACTERISTICS**

Temperature range: from -25° C to +75° C

Minimum bending radius: 12 x R<sub>cable</sub>**DIMENSIONS AND WEIGHTS**

Diameter : 0.63 mm					
Code	Nº Pairs	Cable Diam. (mm)	Approx. Weight. (kg/km)	Length (m)	Drum
EA1202063000102N	1	5.9	33	2000	08
EA1202063000302N	3	7.2	66	2000	08

Diameter : 0.90 mm					
Code	Nº Pairs	Cable Diam. (mm)	Approx. Weight. (kg/km)	Length (m)	Drum
EA1202090000102N	1	6.7	46	2000	08
EA1202090000302N	3	9.0	90	2000	A0

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