

Application

- ✓ Suitable for installations in wagons and trams.
- ✓ Dry environments.
- ✓ Equipment wiring.
- ✓ Switch cabinets.
- ✓ Rail vehicles and Omni buses.
- ✓ High voltage applications.

Features




- ✓ Electron Beam Cross Linked insulation
- ✓ Good Mechanical strength.
- ✓ Inherently earth fault proof routing in trains and buses.
- ✓ Protection against short circuit.
- ✓ Flame retardant.
- ✓ Highly resistive to oil.

Product Construction

- ✓ Conductor : Strands of bare Copper wires.
- ✓ Insulation : Electron Beam Cross Linked Polyolefin (Halogen Free).
- ✓ Outer Sheath : Electron Beam Cross Linked Polyolefin (Halogen Free).

Technical Data

- ✓ Temperature Range:
Flexible applications : - 5°C to +125°C
Fixed Installation : - 25°C to +125°C
During Operation (max): +125°C
In Case of Short Circuit: +200°C
- ✓ Test Voltage : 6 kV at 50 Hz, 5 min.
- ✓ Bending Radius(Minimum):
Flexing : 10 x Cable Diameter
Static : 6 x Cable Diameter
- ✓ Rated Voltage (U₀/U) : 1.8/3 kV

ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001			
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Part Number	Number of Cores and mm ² Per Conductor	Outer Diameter in mm approx.	Copper Index Kg/Km	Weight Kg/Km approx.
6411304	1.5	6.99	14.40	67.55
6411604	2.5	7.45	24.00	82.79
6411904	4	8.80	38.00	119.18
6412304	6	9.39	58.00	147.51
6412704	10	10.72	96.00	208.08
6412804	16	11.81	154.00	282.43
6413004	25	13.70	240.00	405.73
6413204	35	14.91	336.00	521.46
6413404	50	16.43	480.00	690.26
6413704	70	18.20	672.00	911.13
6413804	95	20.64	912.00	1213.88
6414104	120	22.30	1152.00	1483.88
6414204	150	23.95	1440.00	1801.70
6414404	185	26.04	1776.00	2191.16
6414604	240	29.07	2304.00	2794.60
6414804	300	30.31	2890.00	3423.94

