



### Application

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

### Product Construction

- ✓ Conductor Annealed Tinned Copper Conductor, Class 5
- ✓ Insulation Electron Beam Cross Linked Polyethylene (Halogen Free).
- ✓ Outer Sheath Electron Beam Cross Linked Polyolefin (Halogen Free).
- ✓ Colour : Black

### Technical Data

- ✓ Temperature Range:  
Flexible applications : - 5°C to +120°C  
Fixed Installation : - 25°C to +120°C  
During Operation (max): +120°C  
In Case of Short Circuit: +250°C
- ✓ Test Voltage : 6 kV
- ✓ Bending Radius(Minimum):  
Flexing : 10 x Cable Diameter  
Static : 6 x Cable Diameter
- ✓ Rated Voltage (U<sub>0</sub>/U) : 1.8/3 kV

### Features

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

<b>ISO 9001</b>	<b>ISO 14001</b>	<b>AS 9100</b>	<b>ISO 45001</b>
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Part Number	Cable Size (Sq.mm)	Wire Dia (mm) (Max)	Outer Diameter mm (Max).	Insulation Thickness (Nom)	Outer Sheath Thickness (Nom)	Weight Kg/Km approx.
641130404	1.5	0.26	7.0	1.3	0.8	52
641160404	2.5	0.26	7.5	1.3	0.8	64
641190404	4	0.31	9.0	1.3	0.8	80
641230404	6	0.31	9.5	1.3	0.8	100
641270404	10	0.41	11.0	1.5	0.8	150
641280404	16	0.41	13.0	1.5	0.8	205
641300404	25	0.41	15.0	1.8	1.0	315
641320404	35	0.41	16.5	1.8	1.0	405
641340404	50	0.41	18.0	1.8	1.0	540
641370404	70	0.51	20.5	1.8	1.0	715
641380404	95	0.51	24.0	2.2	1.0	950
641410404	120	0.51	26.0	2.2	1.0	1165
641420404	150	0.51	28.0	2.2	1.2	1440
641440404	185	0.51	31.0	2.4	1.2	1760
641460404	240	0.51	34.5	2.6	1.2	2240
641480404	300	0.51	38.0	2.8	1.2	2730

