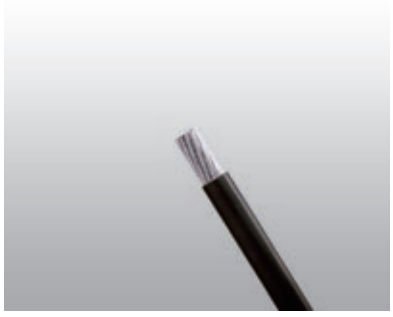
450/750V LSZH Track Feeder Cables to EME-SP-14-025/SE908

Applications

The cables can provide the 450/750 volt DC supply from Traction Substations and Track Paralleling Huts to conductor rails, negative cable connections and where appropriate bonding.

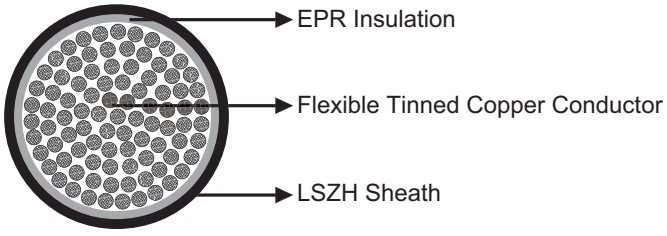


Standards

- EME SP 14 025 (replaced by LUL 1-108 and Metronet MR SE908)
- UNE 21123

Construction

- Conductors: Stranded tinned copper conductors to IEC 60228 class 2 or 5.
- Insulation: EPR.
- Sheath: LSZH sheathed with yellow stripe.



Electrical Characteristics at 20℃

Nominal Conductor Cross Section	mm²	500	935
Maximum DC Conductor Resistance	Ω/km	0.0361	0.0194
Voltage Rating	KV	0.45/0.75	

Mechanical and Thermal Properties

- Miniumum Bending Radius: 8×OD
- Operating Temperatures: -25℃ to +85℃ (during operation); -10℃ to +70℃ (during installation)

Dimensions and Weight

Cable Code	No. of cores& Nominal Conductor Cross Sectional Area No.×mm²	No. & Nominal Diameter of Strands No/mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
RF14025-DZ1-U(AS)-450/750V-1G500	1×500	91/2.65	8.5	54.0	7185
RF14025-DZ1-U(AS)-450/750V-1G935	1×935	169/2.65	9.5	65.0	11749

U is changed to K if the stranding class is changed from class 2 to class 5

Flame Retardant
NF C32-070-2.1(C2)
IEC 60332-1/EN 50265-2-1

Fire Retardant
NF C32-070-2.2(C1)
IEC 60332-3/EN50266

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

Low Smoke Emission
IEC 61034/NFC20-902
EN 50268/NF C32-073

Low Corrosivity
EN 50267-2-2/NF C32-074
IEC 60754-2/NF C20-453

Low Toxicity