

450/750V LSZH Single Core Conduit Wires to EME-SP-14-026

Applications

The cables are designed for fixed power or lighting installations in rail transport.

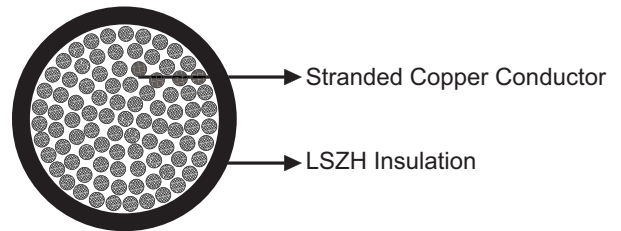


Standards

- EME SP 14 026 (LUL version of BS 7211)
- UNE 211002

Construction

- Conductors: Stranded plain copper conductors to IEC 60228 class 2 or 5.
- Insulation: LSZH.



Electrical Characteristics at 20°C

Nominal Conductor Cross Section	mm ²	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0	70.0
Maximum DC Conductor Resistance	Ω/km	12.1	7.41	4.61	3.08	1.83	1.15	0.727	0.524	0.387	0.268
Voltage Rating	KV	0.45/0.75									

Nominal Conductor Cross Section	mm ²	95	120	150	185	240	300	400	500	630	
Maximum DC Conductor Resistance	Ω/km	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283	
Voltage Rating	KV	0.45/0.75									

Mechanical and Thermal Properties

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



Dimensions and Weight

Cable Code	No. of cores & Nominal Conductor Cross Sectional Area No. x mm ²	No. & Nominal Diameter of Strands No/mm	Nominal Insulation Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
RF14026-ES07Z-U(AS)-450/750V-1G1.5	1 x 1.5	7/0.53	0.7	3.0	22
RF14026-ES07Z-U(AS)-450/750V-1G2.5	1 x 2.5	7/0.67	0.8	3.6	34
RF14026-ES07Z-U(AS)-450/750V-1G4	1 x 4.0	7/0.85	0.8	4.1	50
RF14026-ES07Z-U(AS)-450/750V-1G6	1 x 6.0	7/1.04	0.8	4.7	70
RF14026-ES07Z-U(AS)-450/750V-1G10	1 x 10.0	7/1.35	1.0	5.8	114
RF14026-ES07Z-U(AS)-450/750V-1G16	1 x 16.0	7/1.70	1.0	6.8	175
RF14026-ES07Z-U(AS)-450/750V-1G25	1 x 25.0	7/2.14	1.2	8.6	272
RF14026-ES07Z-U(AS)-450/750V-1G35	1 x 35.0	19/1.53	1.2	10.2	377
RF14026-ES07Z-U(AS)-450/750V-1G50	1 x 50.0	19/1.78	1.4	11.9	509
RF14026-ES07Z-U(AS)-450/750V-1G70	1 x 70.0	19/2.14	1.4	12.8	697
RF14026-ES07Z-U(AS)-450/750V-1G95	1 x 95.0	37/1.78	1.6	15.0	961
RF14026-ES07Z-U(AS)-450/750V-1G120	1 x 120.0	37/2.03	1.6	16.6	1203
RF14026-ES07Z-U(AS)-450/750V-1G150	1 x 150.0	37/2.25	1.8	18.5	1510
RF14026-ES07Z-U(AS)-450/750V-1G185	1 x 185.0	37/2.52	2.0	20.8	1855
RF14026-ES07Z-U(AS)-450/750V-1G240	1 x 240.0	61/2.25	2.2	25.4	2451
RF14026-ES07Z-U(AS)-450/750V-1G300	1 x 300.0	61/2.52	2.4	28.1	3031
RF14026-ES07Z-U(AS)-450/750V-1G400	1 x 400.0	61/2.85	2.6	31.6	3898
RF14026-ES07Z-U(AS)-450/750V-1G500	1 x 500.0	61/3.20	2.8	35.2	4894
RF14026-ES07Z-U(AS)-450/750V-1G630	1 x 630.0	127/2.52	2.8	39.1	6244

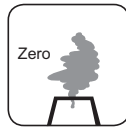
U is changed to K if the stranding class is changed from class 2 to class 5



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

