NSGAFOU Cables

Applications

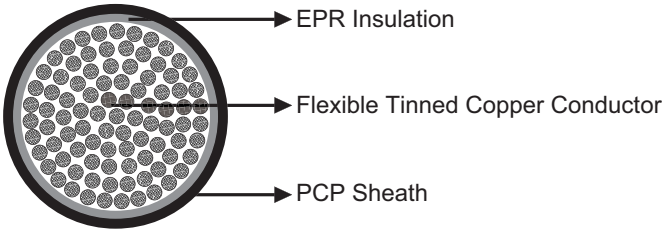
The cables are designed for use in switch cabinets, wiring of devices, trains and buses as well as in dry rooms.

Standards

- DIN VDE 0250-602

Construction

- Conductors: Flexible tinned copper to IEC 60228 class 5.
- Insulation: EPR type 3G13.
- Outer sheath: PCP type 5GM3.



Electrical Characteristics at 20℃

Nominal Conductor Cross Section	mm²	1.5	2.5	4.0	6.0	10	16	25	35
Conductor Resistance	Ω/km	13.7	8.21	5.09	3.39	1.95	1.24	0.795	0.565
Current Rating	A	31	41	58	75	103	145	194	240
Voltage Rating	KV	1.8/3							

Nominal Conductor Cross Section	mm²	50	70	95	120	150	185	240
Conductor Resistance	Ω/km	0.393	0.277	0.21	0.164	0.132	0.109	0.0817
Current Rating	A	301	372	456	528	607	639	821
Voltage Rating	KV	1.8/3						

Mechanical and Thermal Properties

- Minimum Bending Radius: 4×OD
- Temperature Range: -25℃ to +80℃ (during operation); -10℃ to +60℃ (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 Insulation Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
RF602-NSGAFOU-1G1.5	1×1.5	30/0.25	1.3	6.5	59
RF602-NSGAFOU-1G2.5	1×2.5	50/0.25	1.3	6.8	74
RF602-NSGAFOU-1G4	1×4.0	56/0.3	1.3	7.7	94
RF602-NSGAFOU-1G6	1×6.0	84/0.3	1.3	8.3	118
RF602-NSGAFOU-1G10	1×10.0	80/0.4	1.5	9.2	163
RF602-NSGAFOU-1G16	1×16.0	126/0.4	1.5	10.1	220
RF602-NSGAFOU-1G25	1×25.0	196/0.40	1.8	12.5	336
RF602-NSGAFOU-1G35	1×35.0	276/0.40	1.8	14.0	470
RF602-NSGAFOU-1G50	1×50.0	396/0.40	1.8	15.5	581
RF602-NSGAFOU-1G70	1×70.0	360/0.50	1.8	17.0	772
RF602-NSGAFOU-1G95	1×95.0	475/0.50	2.2	19.5	1030
RF602-NSGAFOU-1G120	1×120.0	608/0.50	2.2	21.2	1280
RF602-NSGAFOU-1G150	1×150.0	756/0.50	2.2	23.5	1650
RF602-NSGAFOU-1G185	1×185.0	925/0.50	2.4	25.6	2050
RF602-NSGAFOU-1G240	1×240.0	1221/0.50	2.6	27.3	2590


Impact Resistant


Highly Flexible


Oil Resistant

Weather Resistant


Laid In Ducts