

NSGAFÖU 3kV Rubber Single Core



NSGAFÖU is a VDE-approved, 1.8/3kV, EPR rubber insulated, black polychloroprene jacketed single conductor. This oil-resistant and flame-retardant cable is particularly suitable for protection against short circuits in laying and for inherently earth-fault-proof routing in trains and buses. **NSGAFÖU** is considered to be short-circuit-proof in switching equipment and distributors up to 1000 volt. Also suitable for laying in dry environments. Maximum permissible operating voltage for three and one-phase alternating current operation U_o/U is 2.1/3.6kV. For direct current operation U_o/U is 2.7/5.4kV.



Construction:

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC-60228 CL-5
- EPR rubber (3GI3) core insulation
- Polychloroprene outer jacket
- Black (RAL 9005)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 1800/ 3000 volts
- Test voltage: 6000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 6 x Ø
- Flexing temp: -25° C to +80° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: > 20 MΩ x km

Approvals:

- VDE-0250 Part-602
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
16 AWG (30/30) 1,50mm ² 7801601	1	.276" / 7.0mm	9	40
14 AWG (50/30) 2,50mm ² 7801401	1	.295" / 7.5mm	16	49
12 AWG (56/28) 4,0mm ² 7801201	1	.354" / 9.0mm	25	61
10 AWG (84/28) 6,0mm ² 7801001	1	.374" / 9.5mm	38	83
8 AWG (80/26) 10,0mm ² 7800801	1	.433" / 11.0mm	64	127
6 AWG (128/26) 16,0mm ² 7800601	1	.512" / 13.0mm	103	173
4 AWG (200/26) 25,0mm ² 7800401	1	.591" / 15.0mm	161	270
2 AWG (280/26) 35,0mm ² 7800201	1	.650" / 16.5mm	225	340
1 AWG (400/26) 50,0mm ² 7800101	1	.709" / 18.0mm	322	428
2/0 AWG (356/24) 70,0mm ² 7802101	1	.807" / 20.5mm	451	587
3/0 AWG (485/24) 95,0mm ² 7803101	1	.945" / 24.0mm	612	785
4/0 AWG (514/24) 120,0mm ² 7804101	1	1.024" / 26.0mm	775	997
300 MCM (765/24) 150,0mm ² 7803001	1	1.102" / 28.0mm	966	1140
350 MCM (944/24) 185,0mm ² 7803501	1	1.220" / 31.0mm	1191	1469
500MCM (1225/24) 240,0mm ² 7805001	1	1.358" / 34.5mm	1546	1777
600MCM (1530/24) 300,0mm ² 7806001	1	1.496" / 38.0mm	1932	2180

* Additional sizes may be available.