



NSGAFÖU FLEXIBLE CABLE



APPLICATION

NSGAFÖU is a single core flexible rubber cable for power and general wiring. Widely used in Automation & Process Control industry, in switch cabinets to 1.8/3kV.

NSGAFÖU is recommended for wiring railway and buses for earth-fault-proof routing as it provides superior protection against short circuits.

NSGAFÖU is suitable to be laid in dry rooms and covered cable support systems

CABLE STANDARDS

VDE0250-602
VDE 0207-20
VDE 0207-21
BS EN/IEC 60332-1-2

CONSTRUCTION

Conductor: Flexible Tinned Annealed Copper

Insulation: Ethylene Propylene Rubber(EPR)

Sheath: Polychloroprene (PCP)

CHARACTERISTICS

Voltage Rating: 1800 to 3000 Volts

Temperature Limits:

Fixed -40°C to +90°C

Flexed -40°C to +90°C

Minimum Bending Radius:

As per cable manufacturer datasheet

Should not be installed at temperatures below 0°C

For more information contact:
01642 241 133



NSGAFÖU FLEXIBLE CABLE - DIMENSIONS

CCC CODE	NUMBER OF CORES	CONDUCTOR SIZE	NOMINAL THICKNESS OF INSULATION	NOMINAL THICKNESS OF SHEATH	OVERALL DIAMETER		NOMINAL WEIGHT
					MINIMUM	MAXIMUM	
NSGAFOU1/5	1	1.5	1.3	0.8	5.5	7	51
NSGAFOU2/5	1	2.5	1.3	0.8	5.9	7.5	63
NSGAFOU4	1	4	1.3	0.8	6.4	8	82
NSGAFOU6	1	6	1.3	0.8	7	8.6	103
NSGAFOU10	1	10	1.5	0.8	8.2	10	159
NSGAFOU16	1	16	1.5	0.8	9.2	11.1	219
NSGAFOU25	1	25	1.6	1	11.3	13.4	335
NSGAFOU35	1	35	1.6	1	12.5	14.6	435
NSGAFOU50	1	50	1.8	1	14.1	16.4	582
NSGAFOU70	1	70	1.8	1	15.9	18.3	757
NSGAFOU95	1	95	2.2	1	18.2	20.8	1040
NSGAFOU120	1	120	2.2	1	19.6	22.4	1289
NSGAFOU150	1	150	2.2	1.2	21.7	24.7	1581
NSGAFOU185	1	185	2.4	1.2	23.6	26.7	1895
NSGAFOU240	1	240	2.6	1.2	26.3	29.7	2452
NSGAFOU300	1	300	2.8	1.2	29.3	32.9	2998
NSGAFOU400	1	400	3.1	1.4	32.5	36.4	4200
NSGAFOU500	1	500	3.4	1.6	36.5	40.7	5500

NSGAFÖU FLEXIBLE CABLE - ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE (mm ²)	CURRENT CARRYING CAPACITY For ambient temperature of 30°C and conductor heated at 90°C		CONDUCTOR PROPERTIES	
	IN AIR (AMPS)	IN CONDUIT (AMPS)	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR (mm)	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C (ohms/km)
1.5	30	15	0.26	13.7
2.5	41	21	0.26	8.21
4	55	29	0.31	5.09
6	70	37	0.31	3.39
10	98	52	0.41	1.95
16	132	70	0.41	1.24
25	176	93	0.41	0.795
35	218	115	0.41	0.565
50	276	146	0.41	0.393
70	347	185	0.51	0.277
95	416	221	0.51	0.21
120	488	259	0.51	0.164
150	566	301	0.51	0.132
185	644	342	0.51	0.108
240	775	412	0.51	0.0817
300	898	467	0.51	0.0654
400	1060	557	0.51	0.0486
500	1250	662	0.61	0.0384

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

For more information contact:
01642 241 133