

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.

NSGAFÖU is suitable to be laid in dry rooms as it provides superior protection against short circuits. It is not for use in Cable tray or Cable Ladder

CABLE STANDARDS

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

CONSTRUCTION

Conductor:
Flexible tinned annealed stranded copper conductor

Insulation: Ethylene Propylene Rubber (EPR)

Sheath: Polychloroprene (PCP)

CHARACTERISTICS

Voltage Rating: 1800/3000V

Temperature Rating
 Fixed: -40°C to +90°C
 Flexed: -25°C to +90°C

Minimum Bending Radius
 As per cable manufacturer datasheet

Should not be installed at temperatures below -0°C

NSGAFÖU FLEXIBLE CABLE - DIMENSIONS

CCC CODE	NUMBER OF CORES	CONDUCTOR SIZE (mm ²)	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF SHEATH mm	OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
					Minimum	Maximum	
NSGAFÖU1/5	1	1.5	1.3	0.8	5.5	7	51
NSGAFÖU2/5	1	2.5	1.3	0.8	5.9	7.5	63
NSGAFÖU4	1	4	1.3	0.8	6.4	8	82
NSGAFÖU6	1	6	1.3	0.8	7	8.6	103
NSGAFÖU10	1	10	1.5	0.8	8.2	10	159
NSGAFÖU16	1	16	1.5	0.8	9.2	11.1	219
NSGAFÖU25	1	25	1.6	1	11.3	13.4	335
NSGAFÖU35	1	35	1.6	1	12.5	14.6	435
NSGAFÖU50	1	50	1.8	1	14.1	16.4	582
NSGAFÖU70	1	70	1.8	1	15.9	18.3	757
NSGAFÖU95	1	95	2.2	1	18.2	20.8	1040
NSGAFÖU120	1	120	2.2	1	19.6	22.4	1289
NSGAFÖU150	1	150	2.2	1.2	21.7	24.7	1581
NSGAFÖU185	1	185	2.4	1.2	23.6	26.7	1895
NSGAFÖU240	1	240	2.6	1.2	26.3	29.7	2452
NSGAFÖU300	1	300	2.8	1.2	29.3	32.9	2998
NSGAFÖU400	1	400	3.1	1.4	32.5	36.4	4200
NSGAFÖU500	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 information contained within this datasheet is for guidance only and is subject to change without notice or liability. We believe the information is correct at the time of publication.