

FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 6, ACC TO IEC 60228, DIN VDE 0295 (FROM 1 UP TO 25 mm²) FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295 (FROM 35 mm²)
INSULATION:	EPR TYPE 3GI3 ACC. TO DIN VDE 0207
CORES COLOR:	ACC. TO DIN VDE 0293-308, HD 308 S2 FROM 6 CORES BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334; GREEN-YELLOW EARTH-WIRE FROM 3 CORES
STRANDING:	CORES LAYING PARALLEL
OUTER SHEATH:	BLACK (SIMILAR TO RAL 9005), RUBBER PCP TYPE 5GM3, YELLOW (SIMILAR TO RAL 1021) ON REQUEST

Technical data:

NOMINAL VOLTAGE:	U ₀ /U 300/500 V (UL 600 V)
TEST VOLTAGE:	3 kV
TEMPERATURE RANGE:	
FIXED LAYING:	-50°C UP TO +80°C
FLEXIBLE APPLICATION:	-35°C UP TO +80°C
MAX. TEMP ON CONDUCTOR:	
IN SERVICE:	UP TO +90°C
IN SHORT CIRCUIT:	UP TO +250°C
MIN. BENDING RADIUS:	ACC. TO DIN VDE 0298 PART 3
TENSILE STRENGTH:	15 N/mm ²
MAX SPEED (MAIN APPLICATION):	180 m/min

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0482 PART 265-2-1
EN 50265-2-1
IEC 60332-1-2



OIL RESISTANCE ACC. TO:
DIN VDE 0473 PART 404, PART.10

Features:

- ACC. TO DIN VDE 0250-809
- UV, OZONE, AND CHEMICAL RESISTANT
- INDOOR/OUTDOOR USE
- EXTREMELY SMALL BENDING RADIUS
- MINIMUM WASTE OF SPACE
- HIGH FLEXIBILITY
- COLD RESISTANT
- APPROVAL AVAILABLE
- GOST-R/EAC APPROVAL
- FOR SPEEDS AND MINIMUM BENDING RADIUS SEE PAGES FROM 1 TO 4 OF CATALOGUE
- ROHS AND CE APPROVAL



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ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL

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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
03030F72031A16	3 g 1,5	6 x 12,1	43,2	140	16
03030F72041A16	4 g 1,5	6 x 15,4	58	180	16
03030F72051A16	5 g 1,5	5,8 x 19,3	72	220	16
03030F70071A16	7 g 1,5	5,8 x 25,9	101	290	16
03030F70081A16	8 g 1,5	5,8 x 28,4	115	320	16
03030F70101A16	10 g 1,5	6,5 x 36,3	144	450	16
03030F70121A16	12 g 1,5	6,5 x 42,8	173	540	16
03030F70241A16	24 g 1,5	11,9 x 52,1	345,6	1050	16
03030F70421A16	42 g 1,5	15,6 x 71,3	604,8	1930	16
03030F72041A14	4 g 2,5	7,1 x 19	96	270	14
03030F72051A14	5 g 2,5	7 x 23,8	120	330	14
03030F70071A14	7 g 2,5	7,1 x 31,9	168	450	14
03030F70081A14	8 g 2,5	7,1 x 35	192	500	14
03030F70101A14	10 g 2,5	7,7 x 44,2	240	670	14
03030F70121A14	12 g 2,5	7,7 x 52,1	288	790	14
03030F70241A14	24 g 2,5	15,2 x 66,7	576	1700	14
03030F72041A12	4 g 4	8,7 x 23	154	400	12
03030F72051A12	5 g 4	8,8 x 30,1	192	520	12
03030F70071A12	7 g 4	8,7 x 39,7	269	700	12
03030F70081A12	8 g 4	8,5 x 42,3	307,2	757	12
03030F70121A12	12 g 4	8,4 x 61,9	460,8	1131	12
03030F72041A10	4 g 6	9,3 x 26,2	230	510	10
03030F72051A10	5 g 6	9,4 x 33	288	650	10
03030F70071A10	7 g 6	9,3 x 44,1	403	880	10
03030F72041A08	4 g 10	10,8 x 31,4	384	760	8
03030F72051A08	5 g 10	10,9 x 40,4	480	970	8
03030F70071A08	7 g 10	10,9 x 54,5	672	1330	8
03030F72041A06	4 g 16	12,5 x 36,8	614	1070	6
03030F72051A06	5 g 16	12,5 x 46,4	768	1370	6
03030F70071A06	7 g 16	13 x 62,3	1075	2000	6
03030F72041A04	4 g 25	14 x 42,7	960	1510	4
03030F72051A04	5 g 25	13,2 x 60	1200	2210	4
03030F70071A04	7 g 25	15,2 x 74,3	1680	2830	4
03030F72041A02	4 g 35	15,8 x 48,5	1344	2050	2
03030F70071A02	7 g 35	16,9 x 85,4	2352	3830	2
03030F72041A01	4 g 50	18,5 x 57	1920	2840	1
03030F72041A2C	4 g 70	20,8 x 64,2	2688	3830	2/0
03030F72041A3C	4 g 95	23,6 x 73,6	3648	4940	3/0
03030F72041A4C	4 g 120	25,7 x 81,2	4608	6230	4/0

Other dimensions and colors available on request.