

FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL



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Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 up to 25 mm ²) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 mm ²)
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 _o /U 300/500 V (UL 600 V)
Test voltage:	3 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +80°C
<i>Flexible application:</i>	-35°C up to +80°C
Max. temp on conductor:	
<i>In service:</i>	up to +90°C
<i>In short circuit:</i>	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Tensile strenght:	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, par.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
TÜV approval available
GOST-R/EAC approval
for SPEEDS and MINIMUM BENDING RADIUS see pages from 2 to 8 of catalogue
RoHS and CE approval



FESTOON CABLES

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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	3G1,5	6x12,1	43,2	140	16
03030F72041A16	4G1,5	6x15,4	58	180	16
03030F72051A16	5G1,5	5,8x19,3	72	220	16
03030F70071A16	7G1,5	5,8x25,9	101	290	16
03030F70081A16	8G1,5	5,8x28,4	115	320	16
03030F70101A16	10G1,5	6,5x36,3	144	450	16
03030F70121A16	12G1,5	6,5x42,8	173	540	16
03030F70241A16	24G1,5	11,9x52,1	345,6	1050	16
03030F70421A16	42G1,5	15,6x71,3	604,8	1930	16
03030F72041A14	4G2,5	7,1x19	96	270	14
03030F72051A14	5G2,5	7x23,8	120	330	14
03030F70071A14	7G2,5	7,1x31,9	168	450	14
03030F70081A14	8G2,5	7,1x35	192	500	14
03030F70101A14	10G2,5	7,7x44,2	240	670	14
03030F70121A14	12G2,5	7,7x52,1	288	790	14
03030F70241A14	24G2,5	15,2x66,7	576	1700	14
03030F72041A12	4G4	8,7x23	154	400	12
03030F72051A12	5G4	8,8x30,1	192	520	12
03030F70071A12	7G4	8,7x39,7	269	700	12
03030F70081A12	8G4	8,5x42,3	307,2	757	12
03030F70121A12	12G4	8,4x61,9	460,8	1131	12
03030F72041A10	4G6	9,3x26,2	230	510	10
03030F72051A10	5G6	9,4x33	288	650	10
03030F70071A10	7G6	9,3x44,1	403	880	10
03030F72041A08	4G10	10,8x31,4	384	760	8
03030F72051A08	5G10	10,9x40,4	480	970	8
03030F70071A08	7G10	10,9x54,5	672	1330	8
03030F72041A06	4G16	12,5x36,8	614	1070	6
03030F72051A06	5G16	12,5x46,4	768	1370	6
03030F70071A06	7G16	13x62,3	1075	2000	6
03030F72041A04	4G25	14x42,7	960	1510	4
03030F72051A04	5G25	13,2x60	1200	2210	4
03030F70071A04	7G25	15,2x74,3	1680	2830	4
03030F72041A02	4G35	15,8x48,5	1344	2050	2
03030F70071A02	7G35	16,9x85,4	2352	3830	2
03030F72041A01	4G50	18,5x57	1920	2840	1
03030F72041A2C	4G70	20,8x64,2	2688	3830	2/0
03030F72041A3C	4G95	23,6x73,6	3648	4940	3/0
03030F72041A4C	4G120	25,7x81,2	4608	6230	4/0

Other dimensions and colors available on request.