

FLEXIFESTOON® NE FLAT M(StD)HÖU-J/O UL

Screened rubber flat cables, UL approval



ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT M(StD)HÖU-J/O UL
UL style 4540 90°C 600 V FT-1 600 V

Construction:

COND CTOR:	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)
WRAPPING:	PETP TAPE
INSULATION:	RUBBER HEPR TYPE 3G13 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 PAIRS: CORES TWISTED IN PAIRS WITH SHORT LAY LENGTH WRAPPING WITH PETP FOIL, PAIRS LAYING PARALLEL
SCREEN:	TINNED COPPER WIRES + ALUMINIUM TAPE/PETP FOIL
OUTER SHEATH:	BLACK (SIMILAR TO RAL 9005), RUBBER PCP TYPE 5GM3

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 811-2-1
IEC EN 60811-2-1

Technical data:

NOMINAL VOLTAGE:	U ₀ /U 0,6/1 kV (UL 600 V)
TEST VOLTAGE:	4 kV
TEMPERATURE RANGE:	
UL:	UP TO +90°C
FIXED LAYING:	-40°C UP TO +85°C
FLEXIBLE APPICATION:	-30°C UP TO +85°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
MAX SPEED (MAIN APPLICATION):	180 m/min
RADIATION RESISTANCE:	UP TO 50X10 ⁶ CJ/Kg (UP TO 50 Mrad)
TENSILE STRENGTH:	
STATIC:	15 N/mm ²
DYNAMIC:	30 N/mm ²

Features:

UV, OZONE, AND CHEMICAL RESISTANT
EXTREMELY SMALL BENDING RADIUS
MINIMUM WASTE OF SPACE
HIGH FLEXIBILITY
COLD RESISTANT
ACC. TO DIN VDE 0250 PART 809 TABLE 2
ULLISTED APPROVAL AVAILABLE ON REQUEST
AWM STYLE 4540 90°C 600 V FT-1 600 V
FOR SPEEDS AND MINIMUM BENDING RADIUS
SEE PAGES FROM 1 TO 4 OF CATALOGUE
ROHS AND CE APPROVAL

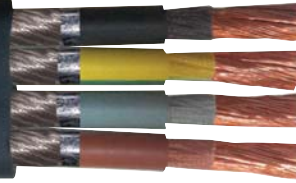


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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
03190F72041A16	4 g 1,5	20,8 x 7,5	99	291	16
03190F72051A16	5 g 1,5	24,8 x 7,5	124	350	16
03190F70081A16	8 g 1,5	38,1 x 7,5	228	537	16
03190F71080A16	8 x 1,5	38,1 x 7,5	228	537	16
03190F70121A16	12 g 1,5	55,3 x 7,5	343	795	16
03190F71120A16	12 x 1,5	55,3 x 7,5	343	795	16
03190F72041A14	4 g 2,5	23,4 x 8,2	163	418	14
03190F70061A14	6 g 2,5	32,5 x 8,2	245	535	14
03190F70121A16	12 g 2,5	63 x 8,2	493	1004	14
03190F72041A12	4 g 4	26,8 x 9	241	440	12
03190F72041A10	4 g 6	29,7 x 9,7	353	603	10
03190F72041A08	4 g 10	35,9 x 11,7	497	955	8
03190F72041A06	4 g 16	39,9 x 13,1	805	1254	6
03190F72041A04	4 g 25	45,5 x 14,2	1200	1694	4
03190F72041A02	4 g 35	53,1 x 16,4	1657	2282	2
03190F72041A01	4 g 50	63,2 x 19,2	2261	3130	1
03190F72041A2C	4 g 70	75 x 22,9	3259	4680	2/0
03190F72041A3C	4 g 95	79,1 x 24	4311	5605	3/0
03190F70042A18	4 x (2 x 1)STD	32 x 11,7	156	525	18
03190F70072A18	7 x (2 x 1)STD	57,5 x 11,7	205	909	18
03190F70122A18	12 x (2 x 1)STD	68,3 x 15,4	460	1500	18
03190F70122A18	4 x (4 g 1,5)STD	40,6 x 11,5	440	900	16

Other dimensions and colors available on request.