

FESTOON CABLES

FLEXIFESTOON® NE-FLAT (NGFLGÖU-J)

Rubber flat cables



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Construction:

Conductor:	Flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 to 25 mm ²) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 to 90 mm ²)
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
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM3

Features:

- ▶ Extremely small bending radius
- ▶ high flexibility
- ▶ minimum waste of space
- ▶ pocketing possibility
- ▶ 0,6/1 kV version on request
- ▶ cold resistant
- ▶ for SPEEDS and MINIMUM BENDING RADIUS see page 1,2,3,4/ 5,6 of catalogue

Technical data:

Nominal voltage:	U/oU 300/500 V
Test voltage:	3 kV
Temperature range:	
Fixed laying:	-50°C up to +80°C
Flexible application:	-35°C up to +80°C
Max. temperature on conductor:	
in service:	+90°C
in short circuit:	+250°C
Min. Bending radius:	5 x d
Radiation resistance:	up to 50x10 ⁶ cJ/kg (up to 50 Mrad)
Tensile strenght:	
static:	15 n/mm ²
dynamic:	30 n/mm ²
Max speed:	up to 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: DIN VDE 0473 part 811-2-1, IEC EN 60811-2-1 Weather resistance: resistant to ozone and UV Chemical resistance: very good



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. *)	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. *)
03010D72031M15	3G1,5	5,7x12,1	43	126	16	03010D72041M60	4G6	9,6x27,4	230	661	10
03010D72041M15	4G1,5	5,9x16,2	58	234	16	03010D72051M60	5G6	9,6x37,4	288	740	10
03010D72051M15	5G1,5	5,9x23,7	72	304	16	03010D70071M60	7G6	9,6x47,2	403	1004	10
03010D70071M15	7G1,5	5,9x30,5	101	391	16	03010D72041M61	4G10	10,4x30,8	384	1027	8
03010D70081M15	8G1,5	5,9x34	115	441	16	03010D72051M61	5G10	10,4x41,6	480	1171	8
03010D70101M15	10G1,5	5,9x43,5	144	460	16	03010D70071M61	7G10	10,9x54,4	672	910	8
03010D70121M15	12G1,5	6,5x50,4	173	646	16	03010D72041M62	4G16	11,6x35,6	614	1430	6
03011D70064M15	6x4G1,5	13x56	346	1290	16	03010D72051M62	5G16	12,2x48,2	768	1590	6
03010D70241M15	24G1,5	11,7x51,6	346	1050	16	03010D70071M62	7G16	13x62,3	1075	1990	6
03010D72041M25	4G2,5	7,2x19,6	96	316	14	03010D72041M63	4G25	14,1x45,8	768	1890	4
03010D72051M25	5G2,5	7,2x27,8	120	391	14	03010D72051M63	5G25	14,7x58,3	1200	2215	4
03010D70071M25	7G2,5	7,2x36,1	168	533	14	03010D72041M63	7G25	15,3x78,7	1680	3000	4
03010D70081M25	8G2,5	7,2x40,1	192	602	14	03010D72041M64	4G35	15,8x50,8	1344	2460	2
03010D70101M25	10G2,5	8x48	240	800	14	03010D72051M64	5G35	16,4x64,4	1680	2880	2
03010D70121M25	12G2,5	7,8x59,4	288	890	14	03010D70071M64	7G35	16,4x86,4	2352	4100	2
03011D70064M25	6x4G2,5	15,5x66,8	576	1480	14	03010D72041M65	4G50	18,6x62,6	1920	3385	1
03010D70241M25	24G2,5	15,4x68,9	576	1730	14	03010D72041M66	4G70	21x68	2688	4480	2/0
03010D72041M40	4G4	8,8x24,2	154	506	12	03010D72041M67	4G95	24,1x78,6	3648	5990	3/0
03010D72051M40	5G4	8,8x33,4	192	621	12	03010D72041M68	4G120	25,5x84,2	4608	7240	4/0
03010D70071M40	7G4	8,8x42,5	269	851	12						

Other construction and sizes are available on request