

FESTOON CABLES

FLEXIFESTOON® HF-FLAT

Halogen-free flat cables, 0,6/1 kV



ELETTROTEK KABEL® FLEXIFESTOON® HF-FLAT

Construction:

- Conductor:** flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
- Insulation:** GAALTHERM® 532
- 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), halogen-free type M1

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2



Halogen-free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1,
IEC 60754-1



Corrosiveness of conflagration gases acc. to:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2



Low smoke density acc. to:
DIN VDE 0482 part. 268-1-2
EN 50268-1-2
IEC 61034-1-2

Technical data:

- Nominal voltage:** U₀/U 0,6/1 kV
- Test voltage:** 3,5 kV
- Temperature range:**
Fixed laying: -40°C up to +80°C
Flexible application: -30°C up to +70°C
- Min. bending radius:** 10 x D
- Max speed (main application):** 120 m/min
- Tensile strength:**
Static: 15 n/mm²
Dynamic: 30 n/mm²

Features:

- indoor/outdoor use
- UV, ozone, and moisture resistant
- for SPEEDS and MINIMUM BENDING RADIUS see pages from 2 to 8 of catalogue
- RoHS and CE approval



Applications:

power and control flat cables are used on FESTOON CABLES and handling equipment. Special design is where halogen-free and low smoke (nuclear plants)

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. *)
03020G72041M15	4G1,5	5,9x16,2	57,6	110	16
03020G72041M25	4G2,5	5,8x20	96	200	14
03020G72041M40	4G4	8,8x24,2	153,6	250	12
03020G72041M60	4G6	7,6x25	230,4	420	10
03020G72071M60	7G6	7,8x42	403	760	10
03020G72041M61	4G10	10,4x30,8	384	550	8
03020G72041M62	4G16	11,6x35,6	614,4	800	6
03020G72041M63	4G25	14,1x45,8	960	1350	4
03020G72041M64	4G35	15,8x50,8	1344	1800	2
03020G72041M65	4G50	18,6x60,2	1920	2400	1
03020G72041M66	4G70	21x68	2688	3250	2/0
03020G70071M15	7G1,5	5,4x26	100,8	237	16
03020G70071M25	7G2,5	5,8x32,2	168	345	14
03020G70081M15	8G1,5	5x29	115,2	220	16
03020G70081M25	8G2,5	5x35	192,0	330	14
03020G70121M15	12G1,5	5x44	172,8	440	16
03020G70121M25	12G2,5	5,5x49	288	610	14
03020G70241M10	24G1	4,5x67	230	770	18
03020G71073M10	7x3x1	8,2x39,5	201,6	640	18

Other dimensions and colors available on request.