



FLEXIFESTOON® HF-FLAT

Halogen-free flat cable 0,6/ 1 kV



CE



Construction:

Conductor:	flexible red copper class 5, IEC 60228
Insulation:	halogen-free compound acc. to DIN VDE 0207 part20
Cores color:	4 cores: black-grey-green/yellow-brown 5 cores: black-grey-green/yellow-brown-blue > 5 cores: black with printed numbers, green-yellow
Outer sheath:	black special halogen-free compound

Technical data:

Temperature range:	
fixed installation:	-40°C to +60°C
flexible installation:	-25°C to +60°C
Nominal voltage:	U/oU 0,6/1 kV
Test voltage:	3,5 kV
Tensile stress conductor:	
static:	15 N/mm ²
dynamic:	30 N/mm ²
Travelling festoon speed:	up to 120 m/min
Chemical properties:	for indoor and outdoor applications, moisture, UV and ozone resistant
Fire resistant:	flame and fire retardant acc. to IEC 60332-1
Low smoke emissions:	acc. to IEC 61034
Low toxicity:	acc. to IEC 60754
Low corrosivity:	acc. to IEC 60754

Applications:

- ▶ **Power and control flat cables are used on festoon systems 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. *)
05010415H	4G1,5	5,9x16,2	57,6	110	16
05010425H	4G2,5	7,2x101,6	96,0	170	14
05010440H	4G4	8,8x24,2	153,6	250	12
05010460H	4G6	9,6x27,4	230,4	330	10
05010461H	4G10	10,4x30,8	384,0	550	8
05010462H	4G16	11,6x35,6	614,4	800	6
05010463H	4G25	14,1x45,8	960,0	1350	4
05010464H	4G35	15,8x50,8	1344,0	1800	2
05010465H	4G50	18,6x60,2	1920,0	2400	1
05010466H	4G70	21,0x68,0	2688,0	3250	2/0

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. *)
05010815H	8G1,5	29,0x5,0	115,2	220	16
05010825H	8G2,5	35,0x5,0	192,0	330	14
05011215H	12G1,5	41,0x5,0	172,8	320	16
05011225H	12G2,5	51,0x5,7	288,0	490	14

Other construction and sizes are available on request

