



FLEXIFESTOON® PV-FLAT (H07VVH6-F)

< HAR > CE



Construction:

Conductor:	bare copper, stranded to DIN VDE 0295 class 5 and IEC 60228 class 5
Insulation:	special PVC compound
Stranding:	cores laying parallel
Cores color:	up to 5 cores to color code DIN VDE 0293 7 cores and above with number printing, green-yellow
Outer sheath:	black, special PVC compound

Outstanding features:

- ▶ **Extremely small bending radius**
- ▶ **high flexibility**
- ▶ **minimum waste of space**
- ▶ **pocketing possibility**
- ▶ **for SPEEDS and MINIMUM BENDING RADIUS**
see page 1,2,3/5,6 of catalogue
- ▶ **flame retardant acc. to IEC 60332-1**
- ▶ **UV and ozone resistance**
- ▶ **0,6/1 kV version on request**

Technical data:

Temperature range:	
fixed installation:	-40°C to +80°C
flexible installation:	-25°C to +70°C
Nominal voltage:	U/oU 450/750 V
Test voltage:	2,5 kV
Min. Bending radius:	10 x d
Max. temperature on conductor:	
in service:	+70°C
in short circuit:	+150°C
Radiation resistance:	up to 80x10 ⁶ cJ/kg (up to 80 Mrad)
Chemical resistance:	very good
Travelling festoon speed:	up to 120 m/min
Conductor tensile stress:	
static:	15 n/mm ²
dynamic:	30 n/mm ²
Fire performance:	test method B acc. to DIN VDE 0472 part 804 and IEC 60332-1



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. *)
05000415	4G1,5	4,5x13,7	58,0	133	16
05000515	5G1,5	4,5x17,9	72,0	169	16
05000715	7G1,5	4,5x23,5	101,0	235	16
05000815	8G1,5	4,5x26,8	115,0	265	16
05009815	8x1,5	5,0x29,0	115,0	300	16
05000915	9G1,5	5,0x32,0	130,0	330	16
05001015	10G1,5	4,5x33,5	144,0	332	16
05001215	12G1,5	4,5x38,9	173,0	421	16
05001615	16G1,5	4,5x51,5	230,4	555	16
05001815	18G1,5	5,0x58,0	259,2	620	16
05002415	24G1,5	5,0x80,0	346,0	859	16
05000425	4G2,5	5,5x17,0	96,0	205	14
05000525	5G2,5	5,5x21,5	120,0	256	14
05000725	7G2,5	5,5x30,3	168,0	344	14
05000825	8G2,5	5,5x31,9	192,0	389	14
05001225	12G2,5	5,8x47,1	288,0	580	14
05001625	16G2,5	5,8x55,1	384,0	674	14

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. *)
05002425	24G2,5 (6x4)	15,0x63,0	604,0	950	14
05009425	24G2,5	5,8x120,0	604,0	950	14
05000440	4G4	7,0x21,8	154,0	344	12
05000540	5G4	7,0x27,4	192,0	428	12
05000740	7G4	7,9x36,6	269,0	590	12
05001240	12G4	6,8x57,0	460,8	880	12
05000460	4G6	8,2x24,8	230,0	424	10
05000560	5G6	8,2x31,8	288,0	530	10
05000760	7G6	8,9x42,6	403,0	760	10
05000461	4G10	10,0x29,6	384,0	710	8
05000462	4G16	11,2x34,4	614,0	1014	6
05000463	4G25	13,7x42,6	960,0	1365	4
05000464	4G35	15,4x47,6	1344,0	2100	2
05000465	4G50	18,2x57,0	1920,0	2940	1
05000466	4G70	20,0x64,2	2688,0	4090	2/0
05000467	4G95	20,5x72,5	3684,0	4550	3/0
05000540	5G4	6,9x26,0	192,0	390	12
05000561	5G6	7,6x29,5	288,0	530	10
05000561	5G10	9,4x36,5	480,0	868	8
05000562	5G16	13,0x46,6	768,0	1370	6
05000563	5G25	15,5x55,5	1200,0	2000	4

Other construction and sizes are available on request