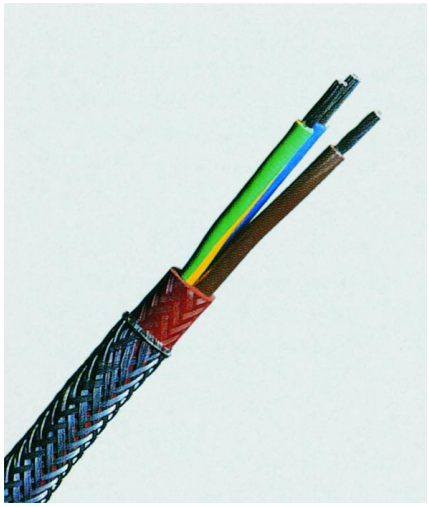
SiHFP

Silicone Sheathed Cable with Steel Wire Braiding

adapted to DIN VDE 0250-1 and -816



Construction

Fine-stranded tinned copper conductor according to VDE 0295, core insulation of silicone (2GI1), cores are colour-coded up to 5 cores, above 6 cores they are black with consecutive white numbers, there is a green-yellow earth wire (except for the 2-core types), cores are stranded in layers, silicone outer sheath (2GM1), reddish brown, armouring of galvanised steel wire braiding.

Application

In dry, damp and wet locations as well as in the open-air for low mechanical loads, particularly at high ambient temperatures. The armouring of galvanised steel wires protects the cable from mechanical damages.

Temperature range

In motion	- 25°C till	+ 180°C
For fixed installation	- 40°C till	+ 180°C
Short-time use		+ 250°C

Number of cores and nominal cross section mm²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
SiHFP 300/500 V					
2 x 0,75	**2.427,80**	15,0	24 x 0,21	7,5	107
3 x 0,75	**2.546,60**	22,5	24 x 0,21	7,8	114
4 x 0,75	**3.040,20**	30,0	24 x 0,21	9,0	120
5 x 0,75	**3.374,00**	37,5	24 x 0,21	9,8	175
7 x 0,75	**3.937,60**	52,5	24 x 0,21	10,6	208
2 x 1	**2.453,20**	20,0	32 x 0,21	7,6	121
3 x 1	2.848,60	30,0	32 x 0,21	8,5	145
4 x 1	3.181,10	40,0	32 x 0,21	9,3	158
5 x 1	3.622,80	50,0	32 x 0,21	10,2	201
7 x 1	4.232,60	70,0	32 x 0,21	11,3	231
2 x 1,5	**2.833,50**	30,0	30 x 0,26	9,0	153
3 x 1,5	**3.053,50**	45,0	30 x 0,26	9,3	168
4 x 1,5	**3.549,60**	60,0	30 x 0,26	10,2	208
5 x 1,5	**4.072,20**	75,0	30 x 0,26	11,5	235
7 x 1,5	**4.771,10**	105,0	30 x 0,26	12,0	293
12 x 1,5	9.475,80	180,0	30 x 0,26	14,9	385
2 x 2,5	3.737,70	50,0	50 x 0,26	10,7	221
3 x 2,5	**4.200,90**	75,0	50 x 0,26	11,2	224
4 x 2,5	**4.857,00**	100,0	50 x 0,26	12,2	295
5 x 2,5	**5.669,10**	125,0	50 x 0,26	13,0	343
7 x 2,5	6.807,70	175,0	50 x 0,26	14,0	416
2 x 4	4.906,00	80,0	50 x 0,31	12,5	292
3 x 4	5.378,20	120,0	50 x 0,31	13,1	338
4 x 4	6.842,20	160,0	50 x 0,31	14,4	445
5 x 4	8.059,60	200,0	50 x 0,31	16,2	526
3 x 6	7.290,20	180,0	84 x 0,31	15,7	415
4 x 6	9.283,00	240,0	84 x 0,31	17,7	602
5 x 6	10.435,60	300,0	84 x 0,31	19,2	697
4 x 10	14.073,00	400,0	80 x 0,41	22,6	880
4 x 16	17.953,60	640,0	128 x 0,41	25,2	1220
4 x 25	29.209,50	1000,0	200 x 0,41	30,4	1710