



Flexible & Specialist Cables
 Alban Point, Alban Park,
 Hatfield Road, St Albans, UK,
 AL4 0JX

Silicone SiHF, SiHFP Multi-cores

Silicone insulated and sheathed multi-core cables offer electrical engineers and specifiers a superb range of options. Ideally suited to high or low temperature applications, these cables will work between -60°C and +180°C. When exposed to fire they produce minimal smoke or fumes and are sometimes used to wire public buildings.

Options include a galvanised steel wire braid for protection or a tinned copper wire braid for screening against EMI.

Applications within industry include plastics forming and moulding, packaging, food processing, refrigeration, furnaces and lighting.

Technical Information

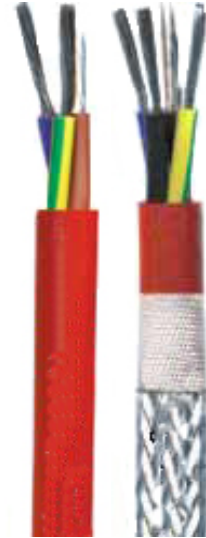
Voltage	Working 300/500V	Test 3000V
Temperature Range	Flexing -25°C to +180°C	Static -60°C to +180°C
Bending Radius SiHF	Flexing 15 x cable diameter	Static 7.5 x cable diameter
Braided Cables	Flexing 20 x cable diameter	Static 10 x cable diameter
Current Rating	Refer to IEE Regs Table 4H3A&B	
Conductor Stranding	To BS 6360 Class 5 & VDE 0295 Class 5	

Construction

SiHF - Fine tinned copper wire strands with silicone rubber insulation. Cores twisted together. Reddish brown silicone rubber outer sheath. (Some sizes available with black or white sheaths or an overall glass fibre braid).

SiHFP - Fine tinned copper wire strands with silicone rubber insulation. Cores twisted together. Reddish brown silicone rubber sheath. Glass fibre tape with an overall galvanised steel wire braid.

SiHF-C-Si - Fine tinned copper wire strands with silicone rubber insulation. Cores twisted together. Reddish brown silicone rubber inner sheath or polyester tape. Tinned copper wire braid. Reddish brown silicone rubber sheath.



Technical Data

Part No.	Cores & mm ²	O/D mm	Part No.	Cores & mm ²	O/D mm	Part No.	Cores & mm ²	O/D mm
SiHF-Silicon Sheathed			SiHFP-Steel Braided-Armour			SiHF-C-Si-Copper Braided-Screened		
47100702	2x0.75	6.3	48100702	2x0.75	8.0	49100703	3x0.75	9.5
47100703	3x0.75	7.0	48100703	3x0.75	8.5	49100704	4x0.75	10.1
47100704	4x0.75	7.5	48100704	4x0.75	9.5	49100705	5x0.75	10.7
47100705	5x0.75	8.5	48100705	5x0.75	10.0	49100707	7x0.75	11.6
47100706	6x0.75	9.5	48100706	6x0.75	11.0			
47100707	7x0.75	9.5	48100707	7x0.75	11.0			
						49101002	2x1.0	9.4
47101002	2x1	7.0	48101002	2x1	8.5	49101003	3x1.0	9.7
47101003	3x1	7.5	48101003	3x1	9.0	49101004	4x1.0	10.3
47101004	4x1	8.0	48101004	4x1	10.0	49101005	5x1.0	11.2
47101005	5x1	9.0	48101005	5x1	10.5	49101007	7x1.0	11.9
47101006	6x1	10.5	48101006	6x1	11.5			
47101007	7x1	10.5	48101007	7x1	11.5	49101503	3x1.5	11.0
						49101504	4x1.5	11.9
47101502	2x1.5	8.0	48101502	2x1.5	9.0	49101505	5x1.5	13.2
47101503	3x1.5	8.5	48101503	3x1.5	9.5	49101507	7x1.5	14.2
47101504	4x1.5	9.0	48101504	4x1.5	11.0	49101512	12x1.5	18.0
47101505	5x1.5	10.0	48101505	5x1.5	12.0			
47101506	6x1.5	10.5	48101506	6x1.5	13.0	49102504	4x2.5	14.2
47101507	7x1.5	10.5	48101507	7x1.5	13.0	49102507	7x2.5	16.8
47101508	8x1.5	12.0	48101508	8x1.5	14.5			
47101510	10x1.5	14.5	48101510	10x1.5	16.0			
47101512	12x1.5	16.0	48101512	12x1.5	17.5			
47101516	16x1.5	19.5	48101516	16x1.5	21.0			
47101518	18x1.5	20.0	48101518	18x1.5	21.5			
47101520	20x1.5	21.0	48101520	20x1.5	22.5			
47101524	24x1.5	23.0	48101524	24x1.5	24.5			
47102502	2x2.5	9.5	48102502	2x2.5	11.0			
47102503	3x2.5	10.5	48102503	3x2.5	12.0			
47102504	4x2.5	11.5	48102504	4x2.5	13.0			
47102505	5x2.5	13.0	48102505	5x2.5	14.5			
47102507	7x2.5	14.0	48102507	7x2.5	15.5			
47102512	12x2.5	19.0	48102512	12x2.5	20.5			
47104002	2x4	11.0	48104002	2x4	12.5			
47104003	3x4	11.5	48104003	3x4	13.0			
47104004	4x4	13.0	48104004	4x4	14.5			
47104005	5x4	14.5	48104005	5x4	16.0			
47004007	7x4	16.0	48104007	7x4	17.5			
47106002	2x6	12.0	48106002	2x6	13.5			
47106003	3x6	13.0	48106003	3x6	14.5			
47106004	4x6	14.0	48106004	4x6	15.5			
47106005	5x6	16.0	48106005	5x6	17.5			
47006007	7x6	17.5	48106007	7x6	19.0			
47110004	4x10	20.0	48110004	4x10	21.5			
47116004	4x16	22.0	48116004	4x16	23.5			
47125004	4x25	28.0	48125004	4x25	30.0			
47135004	4x35	30.2						



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