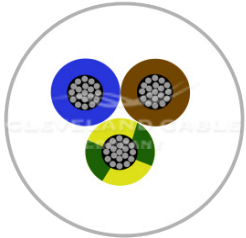


SILICONE FLEXIBLE CABLE SIHF



APPLICATION

The silicone flexible cable is mainly used in food processing plants and food processing related machinery. It can also be used in robotic applications where a higher temperature rating is required.

CABLE STANDARDS

VDE 0250 PT816

CONSTRUCTION

Conductor:

Flexible Tinned Annealed Copper Conductors

Insulation: Silicone

Sheath: Silicone

CHARACTERISTICS

Voltage Rating: 300/500 Volts

Temperature Limits: Fixed: -60°C to +180°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

2 Core: ■ Brown ■ Blue

3 Core: ■ Brown ■ Black ■ Grey

4 Core: ■ Brown ■ Black ■ Grey ■ Blue

5 Core: ■ Brown ■ Black ■ Grey ■ Blue

■ G/Y

6 Core and above: ■ Black with white numbers and Green / Yellow ■

Should not be installed at temperatures below 0°C or above +60°C

SILICONE FLEXIBLE CABLE SIHF - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (mm ²)	STRANDING (MM)	NO OF CORES	WEIGHT (Kg/Km)	OVERALL DIMENSIONS (mm)	GLAND SIZE (MM)
BIHF2X/75	0.75	24/0.20	2	53.4	6.5	20/16
BIHF3X/75	0.75	24/0.20	3	63.7	6.9	20/16
BIHF4X/75	0.75	24/0.20	4	83.6	7.9	20/16
BIHF5X/75	0.75	24/0.20	5	101	8.5	20/17
BIHF7X/75	0.75	24/0.20	7	158	9.6	20/18
BIHF2X1	1	32/0.20	2	59.9	6.7	20/16
BIHF3X1	1	32/0.20	3	78.3	7.5	20/16
BIHF4X1	1	32/0.20	4	94.6	8.1	20S
BIHF5X1	1	32/0.20	5	116	8.8	20S
BIHF7X1	1	32/0.20	7	177	10	20
BIHF2X1/5	1.5	30/0.25	2	82	7.6	20/16
BIHF3X1/5	1.5	30/0.25	3	98	8	20/16
BIHF4X1/5	1.5	30/0.25	4	122	8.8	20S
BIHF5X1/5	1.5	30/0.25	5	148	9.6	20S
BIHF7X1/5	1.5	30/0.25	7	232	10.9	20
BIHF2X2/5	2.5	50/0.25	2	135	8.9	20S
BIHF3X2/5	2.5	50/0.25	3	152	9.1	20S
BIHF4X2/5	2.5	50/0.25	4	188	10.1	20S
BIHF5X2/5	2.5	50/0.25	5	229	11.6	20
BIHF7X2/5	2.5	50/0.25	7	348	13.2	20

SILICONE FLEXIBLE CABLE SIHF- CURRENT CARRYING CAPACITY (AMPERES)

NOMINAL CROSS SECTIONAL AREA (MM2)	REFERENCE METHOD C (CLIPPED DIRECT)	VOLTAGE DROP (MV/A/M)
1	20	44
1.5	27	29
2.5	31	18

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.