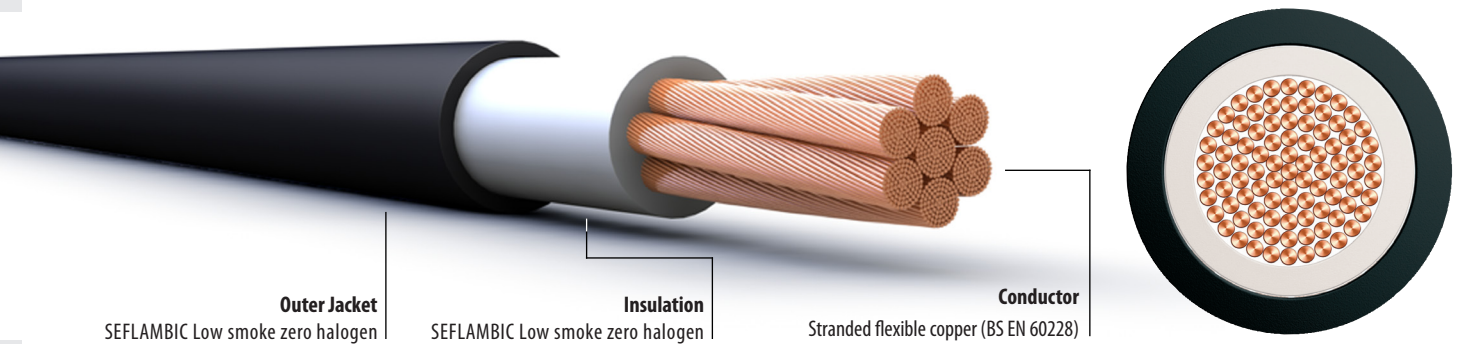


S-flexX 1.9 / 3.3 kV



Conductor cross section mm ²	BS EN 60288 Conductor class	Conductor Ø nom. mm	Insulation RT min. mm	Outer Jacket RT min. mm	Overall Diameter nom. mm	Cable Weight kg/km	Continuous Current rating Amps
25.0	6	7.3	2.80	1.10	15.1	351	199
35.0	6	8.8	2.80	1.10	16.6	458	246
50.0	6	10.7	2.80	1.10	18.5	626	306
70.0	6	12.6	2.80	1.10	20.4	838	379
95.0	6	14.2	3.00	1.20	22.6	1090	458
120.0	6	16.2	3.00	1.20	24.6	1343	530
150.0	5	18.2	3.00	1.20	26.6	1648	610
185.0	5	20.5	3.00	1.20	28.9	1955	695
240.0	5	21.0	3.00	1.20	29.4	2497	819
300.0	5	22.9	3.00	1.20	31.3	3035	941
400.0	5	30.2	3.00	1.20	38.6	3995	1127

Current rating for 125°C wire based IEE Wiring Regulations installation methods

Conductor cross section mm ²	Installation Method 3 ('Enclosed')		Installation Method 1 ('Clipped Direct')	
	2 cables, single phase a.c or d.c.	3 or 4 cables, three phase a.c or d.c.	2 cables, single phase a.c or d.c.	3 or 4 cables, three phase a.c or d.c.
25.0	139	123	157	144
35.0	172	151	195	178
50.0	208	185	251	230
70.0	265	236	323	295
95.0	320	286	392	360
120.0	371	330	455	418
150.0	414	362	526	482
185.0	473	413	602	552
240.0	559	488	711	651
300.0	645	563	820	752
400.0	754	659	958	875w

30°C ambient air temperature
125°C conductor operating temperature

Conductor cross section mm ²	Voltage Drop		
	d.c. mV	Single phase a.c. mV	3 phase a.c. mV
25.0	2.0	2.03	1.8
35.0	1.4	1.45	1.3
50.0	1.0	1.01	0.88
70.0	0.71	0.73	0.63
95.0	0.54	0.56	0.49
120.0	0.42	0.45	0.39
150.0	0.34	0.38	0.33
185.0	0.28	0.32	0.28
240.0	0.21	0.26	0.23
300.0	0.147	0.23	0.20

Derating factors for ambient temperatures other than 40°C

Ambient air temperature °C	Rating factor
20	1.11
25	1.08
30	1.06
35	1.03
40	1.0
45	0.97
50	0.94
55	0.91
60	0.87
70	0.80
80	0.73
85	0.69
90	0.64
95	0.59
100	0.54

1. Current ratings are based upon one isolated cable in free air.
2. Ambient air temperature 40°C. Conductor temperature 125°C

Derating factors for maximum conductor temperature other than 125°C ambient 40°C

Max. conductor temp. °C	Derating factor
125	1.0
100	0.84
90	0.77
70	0.59

Reference should also be made to the IEE Wiring Regulations 17th Edition to ensure compliance

Derating factors for variation in ambient temperatures

Ambient air temp. °C	Derating factor
25	1.03
30	1.00
35	0.97
40	0.95
50	0.89
55	0.86