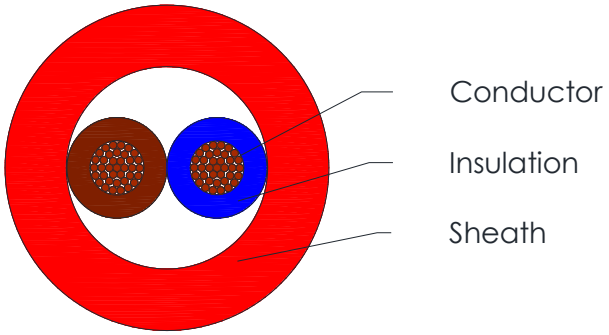
High Temperature Cables
Silicone rubber Insulation, LSZH/HFFR Sheath

C5383 to C5448

Applications

Used for power supplying electrical devices located in environments with continuous temperatures till 180 ° C and for all power supplies in the same conditions.

Cross Section Drawing



Design

Unit	Properties
Conductor	Anneal Bare or Tinned Copper wire Class5
Insulation	Silicon Rubber Color according to CEI UNEL 00722-HD 308
Sheath Material	Halogen Free Flame-Retardant (LSZH/HFFR) Standard Colour: Red
Standard Put Up Length	305 and 500 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Electrical Characteristics at 20°C

Rated Voltage (U0/U) (V)	Max. Voltage (V)	Testing Voltage (V)	Max. Working Temperature (℃)	Short-cirtuit Temperature (℃)	Min. Installation Temperature (℃)	Bending Radius
300/500	550	2000	180	350	-40	5×OD

C5383 to C5448

Physical Characteristics

0.50mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5383	2 × 0.50	5.9	43
C5384	3 G 0.50	6.2	56
C5385	4 G 0.50	6.8	66

0.75mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5386	2 × 0.75	6.3	57
C5387	3 G 0.75	6.7	66
C5388	4 G 0.75	7.7	88
C5389	5 G 0.75	8.3	108
C5390	6 G 0.75	9.1	122
C5391	7 G 0.75	9.1	136

1.00mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5392	2 × 1.00	6.6	67
C5393	3 G 1.00	7.4	83
C5394	4 G 1.00	8.0	102
C5395	5 G 1.00	8.8	124
C5396	6 G 1.00	9.5	144
C5397	7 G 1.00	9.5	161
C5398	10 G 1.00	11.8	240
C5399	12 G 1.00	12.4	264
C5400	16 G 1.00	14.2	344
C5401	19 G 1.00	14.9	391
C5402	24 G 1.00	17.3	530
C5403	27 G 1.00	18.2	570
C5404	30 G 1.00	19.2	633
C5405	33 G 1.00	20.0	685
C5406	37 G 1.00	20.7	748

C5383 to C5448

1.50mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5407	2 × 1.50	7.6	87
C5408	3 G 1.50	8.0	106
C5409	4 G 1.50	8.7	133
C5410	5 G 1.50	9.6	161
C5411	6 G 1.50	10.4	181
C5412	7 G 1.50	10.4	203
C5413	10 G 1.50	12.9	312
C5414	12 G 1.50	13.6	360
C5415	16 G 1.50	15.6	450
C5416	19 G 1.50	16.4	516
C5417	24 G 1.50	19.0	637
C5418	27 G 1.50	20.0	768
C5419	30 G 1.50	21.1	830
C5420	32 G 1.50	22.0	896

2.50mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5421	2 × 2.50	9.3	129
C5422	3 G 2.50	9.8	162
C5423	4 G 2.50	10.7	201
C5424	5 G 2.50	11.7	240
C5425	6 G 2.50	12.8	281
C5426	7 G 2.50	12.8	315

4.00mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5427	2 × 4.00	10.9	197
C5428	3 G 4.00	11.5	231
C5429	4 G 4.00	13.2	307
C5430	5 G 4.00	14.5	378
C5431	6 G 4.00	16.4	426
C5432	7 G 4.00	16.4	490

C5383 to C5448

6.00mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5433	2 × 6.00	12.6	280
C5434	3 G 6.00	13.3	375
C5435	4 G 6.00	15.2	440
C5436	5 G 6.00	16.6	540

10.0mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5437	2 × 10.0	16.0	461
C5438	3 G 10.0	16.9	562
C5439	4 G 10.0	18.9	723
C5440	5 G 10.0	20.7	860
C5441	7 G 10.0	22.6	1118

16.0mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5442	2 × 16.0	19.0	660
C5443	3 G 16.0	20.2	828
C5444	4 G 16.0	22.6	1020
C5445	5 G 16.0	24.8	1215

25.0mm²

P/N	Cross Sectional Area (mm2)	Overall Diameter (mm)	Nom. Weight (kg/km)
C5446	2 × 25.0	22.8	890
C5447	3 G 25.0	24.2	1220
C5448	4 G 25.0	26.7	1530

Reference Standards

EN 50267-2-1,	IEC 60754-1&-2
IEC 60228	IEC 61034-1&-2
IEC 60332-1	CEI UNEL 00722-HD308
RoHS Directives	