

Welding cable

SQ MM sizes 10 sq mm to 240 sq mm and AWG sizes 6 Awg to 500 MCM

These are both single and double insulated wires available in 4 different colours used mainly for the purpose of welding. These wires are available in 2 different styles Northern American which is 6AWG to 500MCM and European which is 10sqmm to 240sqmm. Our welding cable provides resistance against water, grease, chemical and more corroding agents.



Our Welding cable has large scale application

- Manufacturing of ships
- Spot welding
- Transformers
- Earthing
- Switch gear
- Automobile welding and more

With such long list of application these cables can perform at conductor temperature between 250c to 900c providing our customers huge flexibility to use the welding cable across a lot of other applications as well.

Technical Data Table

Welding Cables

Cross-sectional area	Max. conductor resistance at 200C	Nom. thickness of sheath	Overall diameter	Max. overall diameter	Current ratings welding application duty cycle(%)					Non welding application
					100 Amps	85 Amps	60 Amps	30 Amps	20 Amps	
mm2	ohm/km	mm	mm	mm	100 Amps	85 Amps	60 Amps	30 Amps	20 Amps	Amps
10	1.91	2	8.6	10	105	115	135	190	235	110
16	1.21	2	9.7	11.5	135	145	175	245	302	138
25	0.78	2	11.1	13	180	195	230	330	402	187
35	0.554	2	12.5	14.5	225	245	290	410	503	233
50	0.386	2.2	14.3	17	285	310	370	520	637	295
70	0.272	2.4	17.1	19	355	385	460	650	794	372
95	0.206	2.6	19.5	21.5	430	470	560	790	961	449
120	0.161	2.8	21.5	24	500	540	650	910	1118	523
150	0.129	3	23.9	26	580	620	740	1040	1297	608
185	0.106	3.2	26.3	29	660	715	850	1200	1476	690
240	0.0801	3.4	29	32	710	770	916	1296	1587	744
300	0.0641	3.6	32.6	35	800	850	1035	1450	1790	840
400	0.0486	3.8	37	39	925	1000	1195	1690	2070	970

- Insulation thickness, Sheath thickness and overall dimensions are nominal values.
- The number of wires is approximate and strand diameter is nominal; they shall be
- such as to satisfy the requirements of conductor resistance as per IS 8130/1984, BS-6360, IEC-60228 & VDE-0295.

Rating factors for variation in ambient temperature

Ambient temperature °C	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°
Rating factor	1.04	1	0.96	0.91	0.87	0.82	0.76	0.69	0.64	0.57