

	COPPER CONDUCTOR				ALUMINIUM CONDUCTOR			
<i>Nominal area of Conductor (Sq.mm.)</i>	<i>Conductor Strands/ Wire dia (mm)</i>	<i>Radial thickness of covering (mm)</i>	<i>Approximate overall diameter (mm)</i>	<i>Maximum Resistance at 200C(ohm/km)</i>	<i>Conductor Strands/ Wire dia (mm)</i>	<i>Radial thickness of covering (mm)</i>	<i>Approximate overall diameter (mm)</i>	<i>Maximum Resistance at 200C(ohm/km)</i>
16	513/0.2	2.0	10.0	1.210	-	-	-	-
25	783/0.2	2.0	12.0	0.780	-	-	-	-
35	497/0.3	2.0	13.7	0.554	494/0.3	2.0	13.7	0.901
50	702/0.3	2.2	15.3	0.386	702/0.3	2.2	16.5	0.634
70	999/0.3	2.4	17.3	0.272	999/0.3	2.4	18.3	0.445
95	1332/0.3	2.6	20.5	0.206	1332/0.3	2.6	20.5	0.334
120	-	-	-	-	1702/0.3	2.8	22.7	0.256

CURRENT RATING FOR TOUGH RUBBER SHEATHED WELDING CABLE

Nominal area of Conductor (Sq.mm.)	COPPER CONDUCTOR					ALUMINIUM CONDUCTOR				
	Current 100% (Amps)	Rating 85% (Amps)	At 60% (Amps)	Max. 30% (Amps)	Duty Cycle of 20% (Amps)	Current 100% (Amps)	Rating 85% (Amps)	At 60% (Amps)	Max. 30% (Amps)	Duty Cycle of 20% (Amps)
16	94	102	121	172	210	-	-	-	-	-
25	125	136	161	228	279	-	-	-	-	-
35	156	169	201	285	349	123	133	159	225	275
50	197	214	254	360	440	155	168	200	283	347
70	248	269	320	453	555	196	213	253	358	438
95	299	342	386	546	669	237	257	306	433	530
120	-	-	-	-	-	283	307	365	517	633

Ambient Air Temperature 30 °C

Maximum Conductor Temperature 60 °C

CURRENT RATING FOR TOUGH RUBBER SHEATHED WELDING CABLE

	COPPER CONDUCTOR				ALUMINIUM CONDUCTOR				APPLICATION
	Current 100% (Amps)	Rating At a 85% (Amps)	Max 60% (Amps)	Duty Cycle of 30% (Amps)	Current 100% (Amps)	Rating At a 85% (Amps)	Max 60% (Amps)	Duty Cycle of 30% (Amps)	
Nominal area of Conductor (Sq.mm.)									Rubber insulated flexible welding Cables are used to connect Welding Machines and for better welding proficiency. Type & size to be selected according to the welding processes (Duty Cycle) application and length of the cable.
16	135	146	174	246	-	-	-	-	
25	177	192	228	343	-	-	-	-	
35	221	240	285	403	176	191	227	321	
50	279	303	360	509	222	241	287	405	
70	352	382	454	643	280	304	361	511	
95	424	460	547	774	339	368	438	619	
120	-	-	-	-	404	438	522	738	

Ambient Air Temperature 30 °C

Maximum Conductor Temperature 90 °C