

Welding Cables

MIRACLECABLESTM
Smart cable solutions

ISO
9001:2008
CERTIFIED COMPANY



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Welding Cable

WELDING CABLE WITH PLAIN ANNEALED HIGH CONDUCTIVITY COPPER, MALINEX TAPED AND INSULATION OF TOUGH RUBBER SHEATHED (HOFR) .

Nominal area of Conductor (Sq.mm.)	COPPER CONDUCTOR				ALUMINIUM CONDUCTOR			
	Conductor Strands/ Wire dia (mm)	Radial thickness of covering (mm)	Approximate overall diameter (mm)	Maximum Resistance at 20°C(ohm/km)	Conductor Strands/ Wire dia (mm)	Radial thickness of covering (mm)	Approximate overall diameter (mm)	Maximum Resistance at 20°C(ohm/km)
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	16.7	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 HOFR SHEATHED WELDING CABLE									APPLICATION
Nominal area of Conductor (Sq.mm.)	COPPER CONDUCTOR				ALUMINIUM CONDUCTOR				
	Current 100% (Amps)	Rating 85% (Amps)	Max 60% (Amps)	Duty Cycle of 30% (Amps)	Current 100% (Amps)	Rating 85% (Amps)	Max 60% (Amps)	Duty Cycle of 30% (Amps)	
16	135	146	174	246	-	-	-	-	Rubber Insulated flexible welding cable are used to connect welding machines and for better welding proficiency. Type 7 size to be selected according to the welding processes(Duty Cycle) application and length of the cable
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.

About us

Miracle Cables (I) Pvt. Ltd is 16 years young company with aspirations to grow as a significant player in the cables industry. The company has an array of professionals dedicated to give the exceptional products and services to its customers. Situated in Mumbai, a strategic location of India, Miracle Cables currently caters to several world class organizations in India as well as abroad. Miracle Cables (I) Pvt. Ltd. has following achievements to its credit-

- ARAI(The automotive Research Association of India) test certificate
- ISO 9001-2008
- ISI Certification
- NTH (National Test House) test certificate
- CPRI test Certificate
- UL (Underwriters' Laboratories) Certification
- CVRDE (Combat Vehicles R & D Estt.) approval
- DGQA (Directorate General of Quality Association) approval
- ERTL (Electronics Regional Test Laboratory) certificate
- ERDA (Electrical Research & Development Association) test certificate
- ROHS Test certificate

Apart from Auto Cables, Miracle Cables (I) Pvt. Ltd also manufactures cables for wide range of applications. These cables include Uninyvin Cable, Power cables, Control & instrumentation cable, Eco-friendly cable, and many more.