



IMT CABLES PVT. LTD.



WELDING CABLES



About us

The flag bearer Company of RAS GROUP , **IMT CABLES PVT. LTD** is one the Leading manufacturers of all types of house wire, elastomeric (Rubber) Cables, Welding Cables, Trailing & Composite Cables, Rubber Hoses etc.

Our products bear ISI mark of quality. Additionally we are capable to Manufacturer cables as per client specifications & different international standards such as British Standard, ASTM, VDE, IEC DIN etc.



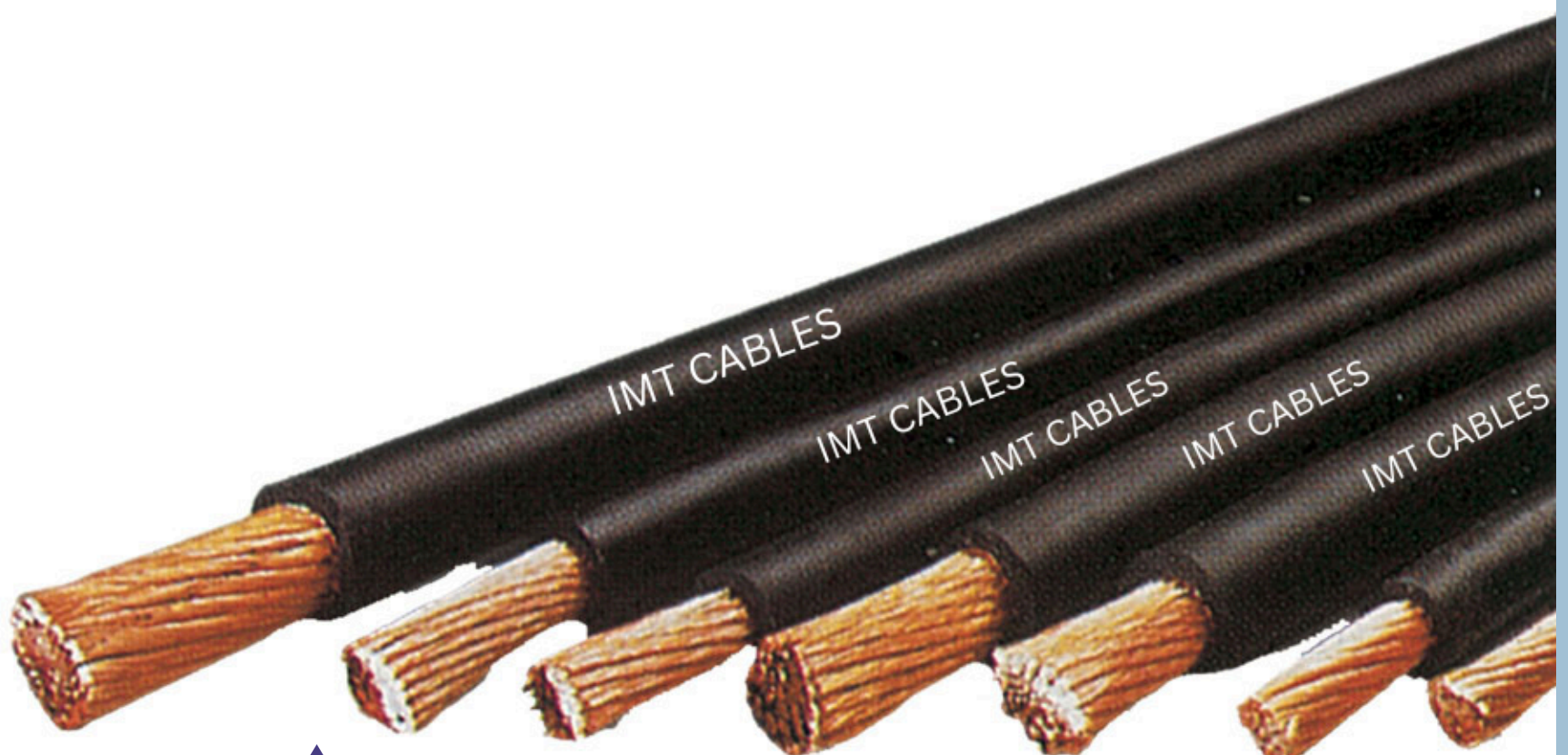
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ABOUT OUR WELDING CABLES

These Cables are suitable for use where combination of ambient temp and the temp due to load result in a steady conductor temp not exceeding.

- 60° C for General Service Normal duty Elastomeric compound type SE1 of **IS6380/84**

- 90° C for Heat Resisting Oil Resisting flame retardant (HOFR) normal duty elastomeric compound type SE3 of **IS 6380/84**



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ABOUT OUR WELDING CABLES RANGE

CONDUCTOR :- The Conductor will be composed of plain or tinned annealed high conductivity copper wire complying with IS 8130/84.

BUNCHING:- Required Number of Spools containing the required diameter wire are loaded into the bunching M/C, which twist the wires to form the bunch.

TAPING:- A Polyester Tape is applied over the stranding conductor as a separator tape. Alternatively Paper tape is also applied over the conductor.

SEPARATOR TAPE:- Dry Paper, Polyester Tape etc.

COVERING :- By extrusion over the conductor with any one of the following covering.

(a) Elastomeric Covering Type SE, of IS 6380/84

(b) HOFR Covering Type SE3, of IS 6380/84

PACKING + MARKING :- The Cables will be supplied either in wooden drums or reels or in coils.

ISI MARKING :- As per IS:9857/90 (For Welding Cables)
CML NO. CM/:-9371383



TECHNICAL SPECIFICATIONS

ISI Marked-Welding Cable

Current Ratings of General Service Normal Duty Elastomeric Compound Covered Cable with Copper Conductor

Cross Sectional Area	Copper Constructions	Nominal Thickness	Max. Conductor Resistance At 20°C	Current Rating Maximum Duty Cycle				
				100%	85%	60%	30%	20%
Sq. mm.	Nos./ Dia. mm	mm	ohm/km					
16	510/0.2	2.0	1.21	94	102	121	172	210
25	796/0.2	2.0	0.78	125	136	161	228	279
35	1114/0.2	2.0	0.554	156	169	201	285	349
50	707/0.3	2.2	0.386	197	214	254	360	440
70	990/0.3	2.4	0.272	248	269	320	453	555
95	1344/0.3	2.6	0.206	299	342	386	546	669



ISI Marked-Welding Cable

Current Ratings of HOFR Normal Duty Elastomeric Compound Covered Cable with Copper Conductor

Cross Sectional Area	Copper Constructions	Nominal Thickness	Max. Conductor Resistance At 20°C	Current Rating Maximum Duty Cycle				
				100%	85%	60%	30%	20%
Sq. mm.	Nos./ Dia. mm	mm	ohm/km					
16	510/0.2	2.0	1.21	94	135	146	174	246
25	796/0.2	2.0	0.78	125	177	192	228	343
35	1114/0.2	2.0	0.554	156	221	240	285	403
50	707/0.3	2.2	0.386	197	279	303	360	509
70	990/0.3	2.4	0.272	248	352	382	454	643
95	1344/0.3	2.6	0.206	299	424	460	547	774



TECHNICAL SPECIFICATIONS

ISI Marked-Welding Cable

Current Ratings of General Service Normal Duty Elastomeric Compound Covered Cable with Aluminium Conductor

Cross Sectional Area	Aluminium Construction	Nominal Thickness	Max. Conductor Resistance At 20°C	Current Rating Maximum Duty Cycle				
				100 %	85 %	60 %	30 %	20 %
Sq. mm.	Nos./ Dia. mm	mm	ohm/km					
25	355/0.3	2.0	1.23	100	108	129	183	224
35	495/0.3	2.0	0.901	123	133	159	225	275
50	707/0.3	2.2	0.634	155	168	200	283	347
70	990/0.3	2.4	0.445	196	213	253	358	438
95	1344/0.3	2.6	0.334	237	257	306	433	530
120	1697/0.3	2.8	0.256	307	307	365	517	635



ISI Marked-Welding Cable

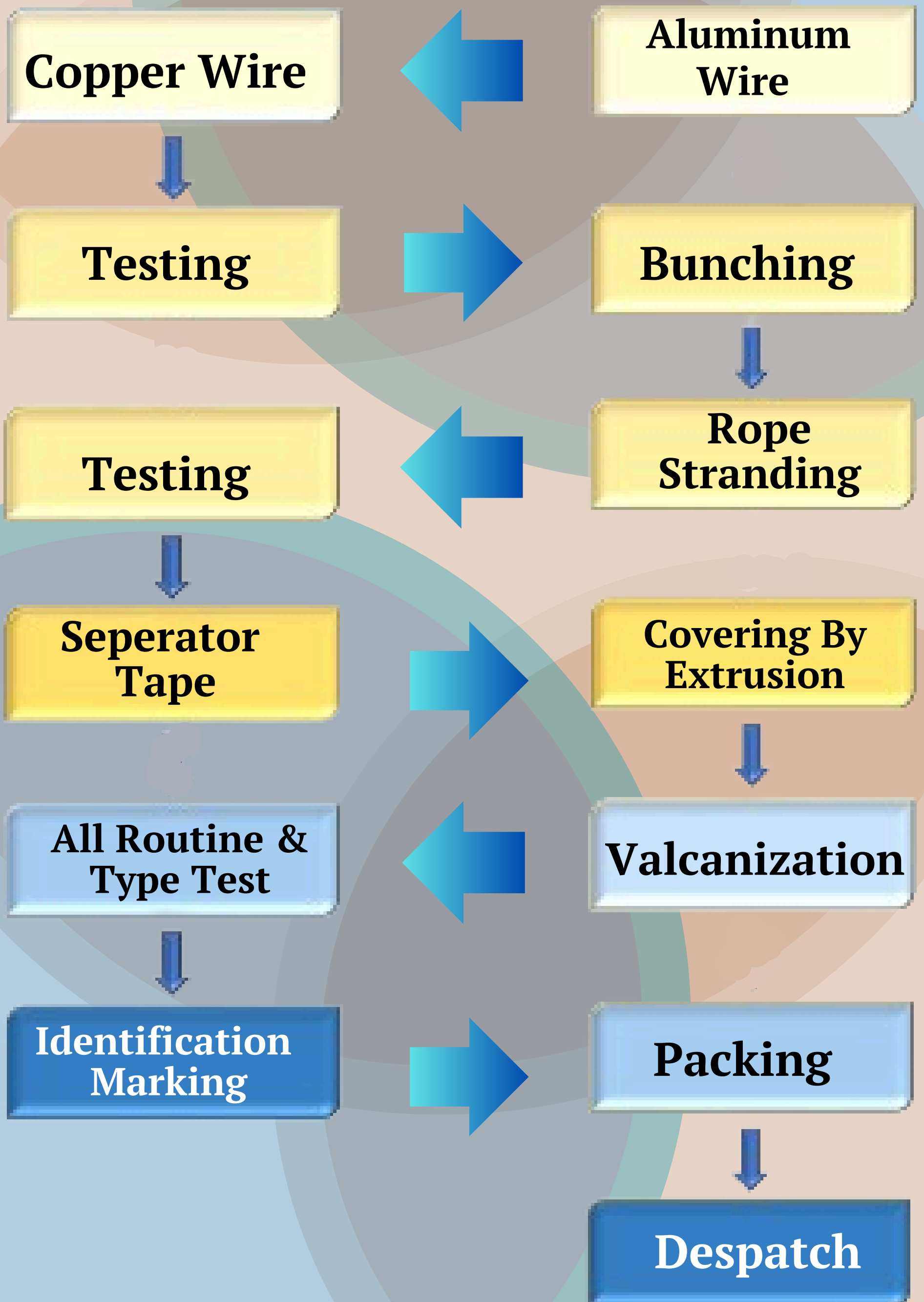
Current Ratings of HOFR Normal Duty Elastomeric Compound Covered with Aluminium Conductor

Cross Sectional Area	Aluminium Construction	Nominal Thickness	Max. Conductor Resistance At 20°C	Current Rating Maximum Duty Cycle				
				100 %	85 %	60 %	30 %	20 %
Sq. mm.	Nos./ Dia. mm	mm	ohm/km					
25	355/0.3	2.0	1.23	144	156	186	263	263
35	495/0.3	2.0	0.901	173	191	227	321	312
50	707/0.3	2.2	0.634	222	241	287	405	405
70	990/0.3	2.4	0.445	280	304	361	511	511
95	1344/0.3	2.6	0.334	339	368	438	617	617
120	1697/0.3	2.8	0.256	404	438	522	738	738



PROCESS FLOW CHART

Welding Cable as per IS: 9877/1990



Contact US



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