



Welding Accessories

KING WELDING CABLE

KEY FEATURES :

- Made in accordance with IS 9857/90
- Conductors tested in accordance with IS 8130/84
- Jacketing tested in accordance with IS 6380/84
- Excellent Heat, Flame and Wear resistant
- Excellent flexibility
- Highly recommended for use in Automatic Welding Machines



CONSTRUCTION :

- Ador welding cables are manufactured with rope-lay stranded, bunched members of Plain/Annealed Copper /Aluminium in accordance with IS 8130/84.
- A polyester tape separates the conductor from the rubber insulation.
- The cable is covered with black General Purpose grade rubber Type SE-1 or HOFR Type SE-3 in accordance with IS 6380/84

APPLICATION :

- Ador Welding Cable is suitable for use in industrial and light to medium mining application and heavy-duty service.
- The cable has been specially designed for transmitting high currents between the welding generator and the electrode.
- The high degree of flexibility avoids forming of knots in cable because of which internal conductor will not break.

FLEXIBLE WELDING CABLE WITH BENDING RADIUS : APPROX. 15 X CABLE Ø

Cross Sec (Sq.mm)	Copper Conductor				Aluminium Conductor					
	Approximate No. of x Single Wires	WireØ	Radial thickness of sheathing	Approximate overall diameter	Max Resistance @ 20°C	Approximate No. of x Single Wires	WireØ	Radial thickness of sheathing	Approximate overall diameter	Max Resistance @ 20°C
	(mm)	(mm)	(mm)	(ohm/km)	(mm)	(mm)	(mm)	(ohm/km)		
1x25	783 x	0.2	2.0	12.0	0.780	--	--	--	--	
1x35	497 x	0.3	2.0	13.7	0.554	497 x	0.3	2.0	13.7	0.901
1x50	702 x	0.3	2.2	15.3	0.386	702 x	0.3	2.2	15.3	0.634
1x70	999 x	0.3	2.4	17.3	0.272	999 x	0.3	2.4	17.3	0.445
1x95	1302 x	0.3	2.6	20.5	0.206	1302 x	0.3	2.6	20.5	0.334
1x120	1702 x	0.3	2.8	22.7	0.161	1702 x	0.3	2.8	22.7	0.256

CURRENT RATING FOR SHEATHED WELDING CABLE

Cross Sec (Sq.mm)	Current Rating At Max Duty Cycle for General Purpose Cable								Current Rating At Max Duty Cycle for HOFR Cable							
	Copper Conductor				Aluminium Conductor				Copper Conductor				Aluminium Conductor			
	Current Rating In Amps								Current Rating In Amps							
	100%	85%	60%	30%	100%	85%	60%	30%	100%	85%	60%	30%	100%	85%	60%	30%
1x25	125	136	161	228	--	--	--	--	177	192	228	343	--	--	--	--
1x35	156	169	201	285	123	133	159	225	221	240	285	403	176	191	227	321
1x50	197	214	254	360	155	168	200	283	279	303	360	509	222	241	287	405
1x70	248	269	320	453	196	213	253	358	352	382	454	643	280	304	361	511
1x95	299	342	386	546	237	257	306	433	424	460	547	774	339	368	438	619
1x120	--	--	--	--	283	307	365	517	--	--	--	--	404	438	522	738