WELDING CABLES

Welding cable is a flexible conductor wire as per IS: 8130/ Class-6 used to carry welding current. It's made of many fine copper/ Aluminium strands wrapped in a non-conductive jacket, usually rubber. Here are some characteristics of welding cable:

Flexibility : Welding cables are flexible so that the electrode can move easily while welding. They retain their flexibility even at low temperatures.

Durability : Welding cables are durable to withstand the industrial environments where welding often takes place.

Insulation : Welding cables are insulated with **HOFR** (Heat & Oil Resistance, Flame retardant) compound

Operating Temperature : Maximum 90°C & Minimum flexing -20°C.

Colour : Welding cables are often manufactured in different colours to identify which cable is connected to which machine Like (Black, Orange, Yellow).

Applications : Welding cables are used in welder leads, power supply applications, and can also be used as battery cables.

Description : Annealed Bare Copper (ABC) conductor/ Aluminum Conductor as per IS: 8130/1984 Class-6, HD-HOFR sheathed as per IS: 6380/84 Flexible Welding Cable to IS: 9857/1990.

Nom. Area of conductor	Radial Thickness (mm)	Current Rating at a Max. Duty Cycle at 20% (Amps)	
		Copper	Aluminium
16*	2.0	200	
25	2.0	250	150
35	2.0	300	200
50	2.2	400	250
70	2.4	600	300
95	2.6	800	400
120	2.8	1000	600

*For Copper Conductor Only