

# WELDING CABLES





APAR Welding Cables are manufactured using the latest continuous vulcanization process to give uniform and best quality cables. Every cable carries an assurance of quality from raw material to the finished product as per IS:9857, BS 638 (Pt 4) standards.

## THE APAR ADVANTAGE

- Flame retardant
- Oil resistant
- Compression cut resistant
- Durable; survives rough handling
- Maximum flexibility

## ABOUT OUR WELDING CABLES RANGE

**Conductor:** Annealed plain copper or Tinned copper with flexibility Class – 6 as per IS: 8130-1984.

**Separator:** Dry Paper or Polyester tape

**Sheath:** Normal duty elastomeric compound Type SE1 / HOFr compound Type SE3 conforming to IS:6380-1984

**Minimum bending radius:** 6 times the diameter of Cable.

**Colour:** Black or as per customer requirement

**ISI marking:** As per IS:9857 or BS 638 (Pt 4) standards.

Nominal Area (In Sq. mm)	Maximum diameter of wires (mm)	Max. Conductor Resistance at 20°C (Ohm/Km)		Thickness of covering (Nominal) in mm	Approx Overall Dia of Cable (in mm)
		Plain wires	Tinned wires		
16	0.21	1.210	1.24	2.0	10.00
25	0.21	0.780	0.795	2.0	11.60
35	0.21	0.544	0.565	2.0	12.80
50	0.21	0.386	0.393	2.2	15.20
70	0.21	0.272	0.277	2.4	17.40
95	0.21	0.206	0.210	2.6	19.80
120	0.51	0.161	0.164	2.8	20.80
150	0.51	0.129	0.132	3.0	22.60
185	0.51	0.106	0.108	3.2	24.80

Note: APAR also manufacture extra flexible welding cables with Maximum diameter of wires 0.16 mm (for 16 sq mm to 95 sq mm cable) and 0.21 mm (For 120 to 185 sq mm cable). Also supply Welding cables as per BS 638 Part 4 and DIN VDE 0282. Aluminum Welding cables are also manufactured with conductor size from 70 sq mm and above.



## THE CURRENT RATING IN AMPS AT 30°C AMBIENT TEMPERATURE:-

Conductor Size	100% duty cycle	85% duty cycle	60% duty cycle	30% duty cycle	20 %duty cycle
	HOFR	HOFR	HOFR	HOFR	HOFR
16	135	146	174	246	314
25	177	192	228	343	455
35	221	240	285	403	598
50	279	303	360	509	796
70	352	382	453	643	1030
95	424	460	546	774	1138

## RATING FACTOR -

Sheath Material	25°C	30°C	35°C	40°C	45°C	50°C
HOFR	1.04	1.00	0.96	0.91	0.87	0.82







# ABOUT US

APAR Industries Limited is a billion-dollar company that holds a leadership position in its principal business segments:

CABLES

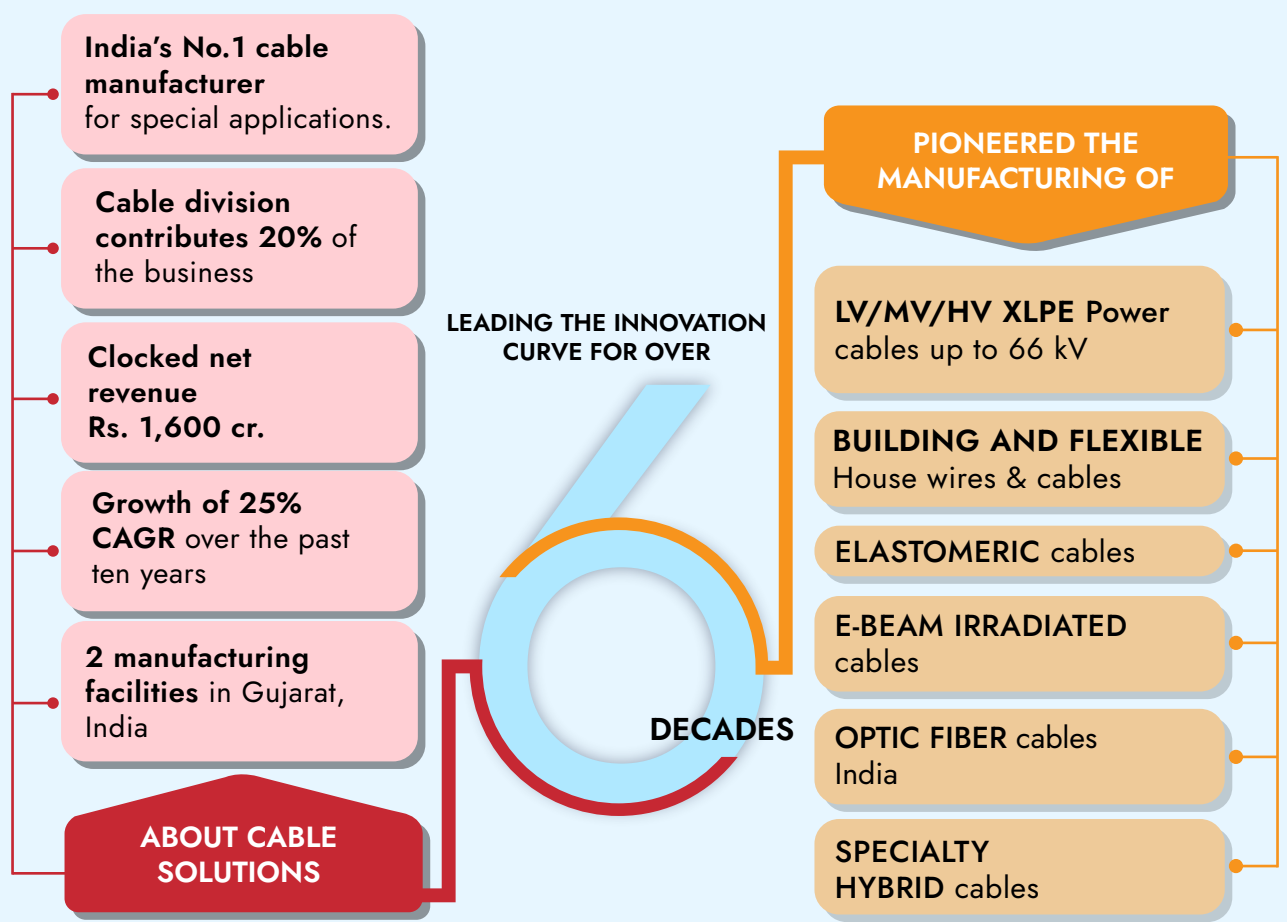
POLYMERS

LUBRICANTS

CONDUCTORS

SPECIALITY OILS

SPECIALITY AUTOMOTIVE



TRUSTED BY MAJOR OEMS, UTILITIES, POWER GENERATION, TRANSMISSION & DISTRIBUTION COMPANIES GLOBALLY

Learn more: [APAR elastomer e-beam cables](#)

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