



APAR

Tomorrow's solutions today



APAR Multi Stranded

Aluminium Flexible Wires & Cables

www.apar.com



APAR MANUFACTURERS AND MARKETS THE MOST COMPREHENSIVE RANGE OF CABLES IN INDIA.

Traditionally Copper is often used in cables and wires because of its excellent conductivity and malleability. But it is relatively heavy and quite expensive compared to Aluminium. Switching to Aluminium, which is lighter and significantly less costly than copper, is a viable option in many applications. This is already being extensively used in advanced countries like USA and several other Latin American countries.

APAR has developed single core unsheathed HR FR-LSZH multi stranded Aluminium wires & cables. The conductor is made of multi-stranded annealed strands for good flexibility and is manufactured using electrolytic grade Aluminium. The multi-stranded conductor is insulated with Heat resistant, Flame Retardant Low Smoke and Reduced Halogen (HR FR-LSH) PVC compound. The current rating at its maximum operating temperature is equivalent to that of normal TP 70 PVC Insulated Copper wires.

APAR multi stranded aluminium flexible wires and cables have a wide range of application in machine tools, plant & machinery, control panels, industries of every nature and residential buildings commercial complexes.

ABOUT OUR MULTI STRANDED ALUMINIUM FLEXIBLE WIRES & CABLES:

- Single Core, multi stranded bare Aluminium conductor, HR FR-LSH insulated wire & cable (unsheathed) 1100 Volts
- Ranges from 1.0 sqmm to 300 sqmm
- Available packaging 90M & 180M for sizes up to 6 sqmm and 500M for higher sizes
- These are available in Red, Yellow, Blue, Green and Black. Other colour on request
- We can supply this with RoHS; HFFR/ LSZH/ FRZH insulation on request

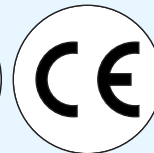


SINGLE CORE, UNSHEATHED FR PVC CABLES FOR 1100 V AS PER IS 694

Nominal Area of Aluminium Conductor Sq.mm.	Number/ Nominal Diameter of Wire	Thickness of Insulation (Nominal)	Approx Overall Diameter	Conductor Resistance (Max) per km @ 20deg. (For Multi-stranded Class- 2 Conductor)	Current carrying capacity 2 cables, single phase (1 Size Lower)	
					In Conduit Trunking	Unen-closed-clipped Directly to surface or on cable tray
Sq.mm	mm	mm	mm	Ohms	Amps	Amps
1.0	14/0.32	0.6	2.60	29.3	11	12
1.5	22/0.32	0.7	3.20	18.1	13	16
2.5	36/0.32	0.8	3.80	12.1	18	22
4.0	56/0.32	0.8	4.40	7.41	24	29
6.0	84/0.32	0.8	5.10	4.61	31	37

Note: The number of strands/strand diameter shall meet the conductor's resistance requirements.

*Conductor : Class 2 as per IS : 8130 - 2013 **Conductor : Class 5 as per IS: 8130 - 2013



THE APAR ADVANTAGE:

- Wire & Cables are conforming to the latest IS:694
- Cost Effective
- Flame Retardant, Low Smoke & Reduced Halogen
- Energy Saving
- Environmentally Friendly



ABOUT US

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

CABLES

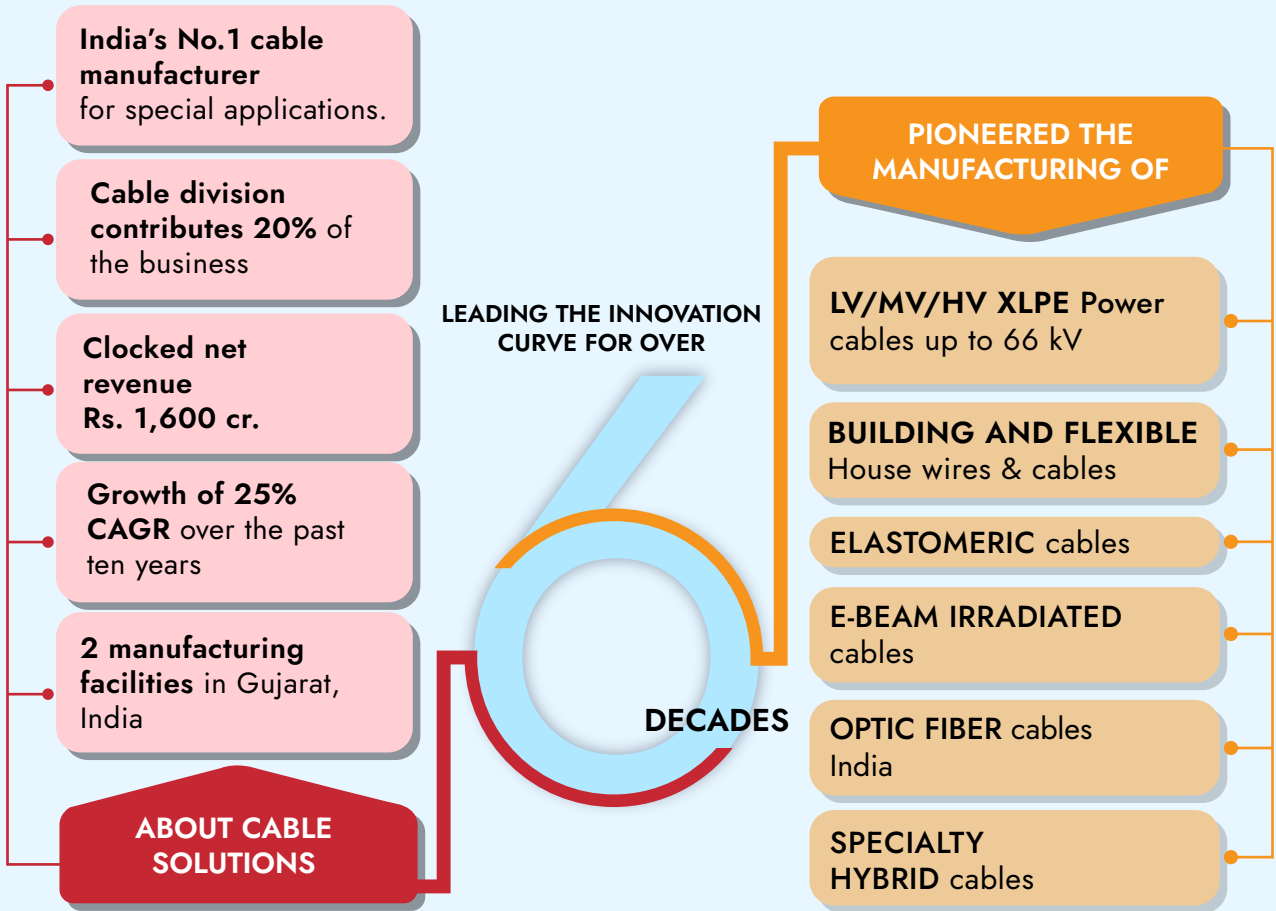
POLYMERS

LUBRICANTS

CONDUCTORS

SPECIALITY OILS

SPECIALITY AUTOMOTIVE



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

Learn more: [APAR Anushakti light duty cables](#)

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