

Finolex

THE TRUE CHAMPION ON THE ROAD



FINOLEX AUTO CABLES



Consumer Validated

105°C TEMPERATURE RESISTANT PVC INSULATED THIN WALL AUTO CABLES

105°C Temperature resistant PVC Insulated Thin Wall Automobile Cables are designed specially for new generation automobiles. In these automobiles the focus is on miniaturisation and optimisation of space which results in increase of temperature in the engine compartments and other locations.

The cables with electrolytic grade bare annealed bunched copper conductors are insulated with a PVC compound specially designed and formulated in-house in a wide range of colours including those with stripes (i.e. double coloured). Finolex auto cables are manufactured with a specially formulated lead-free PVC compound complying to Restrictions of Hazardous Substances (RoHS) regulations. The PVC compound is impervious to water, petrol, diesel, acids, engine and lubricating oils and grease.

Finolex Range of Auto cables include:

- FLRY-B cables (as per DIN 72551 Part 6) for temperature range from -40°C to 105°C
- AV cables (as per JIS C 3406)
- AVS & AVSS cables (as per JASO D611)

Finolex automobile cables are supplied to major wiring harness manufacturers like Tata Yazaki Autocomp Limited, TYCO Electronics Corporation India Limited, Yazaki Wiring Systems, Aditya Auto and many more. These companies in turn use the wires to manufacture customized harnesses for the automobile industry.

ADVANTAGES

Comparison Chart: Finolex FLRY(B) cables can be used effectively to carry higher current compared to cables conforming to BS 6862 or IS 2465. As a result, Finolex cables of lower cross section can be used to save on costs to the tune of 10 to 20%. Thus 1 sq.mm FLRY-B cable can replace 1.5 sq.mm cable of BS 6862 or IS 2465 specification. Similarly 1.5, 2.5 and 4 sq.mm FLRY-B cables can be used to replace higher sizes of cables as seen in the table.

Auto Cables (Copper Conductor & PVC Insulation) of different specifications (considering ambient temperature of 40° C)																	
Current (in Amps)	4	6	7	10	12	13	15	17	20	22	28	29	31	36	37	41	51
DIN 72551Part 6 FLRY-B Area in sq.mm.				0.5		0.75	1.0		1.5			2.5				4.0	6.0
BS (6862) Area in sq.mm.	0.5	0.65			1.0		1.5	2.0	2.5	3.0	4.5		6.0	8.0			
Commonly referred size					4 mm		5 mm		6 mm			7 mm				8 mm	
IS (2465) Area in sq.mm.	0.5		0.75		1.0		1.5			2.5		4.0			6.0		10.0

SPECIAL FEATURES

- Manufactured from electrolytic grade, bright annealed, bunched, bare copper conductors and hence can carry the rated current without overheating.
- These are insulated on state-of-the-art extruders with a special grade PVC compound that is formulated and manufactured in-house to the highest safety standards.
- Finolex auto cables have a lower overall diameter as compared to regular PVC auto cables which can ideally be used in new generation, modern, compact automobiles. These lower diameter cables are actually more resistant to abrasion than higher diameter cables of other standards.
- The cables are used by all leading automobile manufacturers in the country. These cables can safely operate under extreme temperatures from -40°C to 105°C and are therefore very popular worldwide.
- Finolex lead-free cables are specially designed to meet the stringent environmental norms in European countries.
- The cables are abrasion resistant and therefore less prone to damage, which in turn leads to less chances of a short circuit resulting in fire in the vehicle.
- Also available in economical packaging of 100 metres or longer lengths.