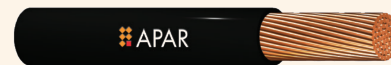


APAR's Single core Flexible Wires and Cables, featuring conductors made from high-quality copper strands and insulated with in-house formulated Flame Retardant (FR) PVC compound, serve various applications including low voltage signals, electrical motors, appliances, control panels, transformers, electrical boards, and battery cables, offering exceptional thermal stability, insulation resistance, and fire safety with a high critical oxygen index and temperature resistance.



HIGH-QUALITY COPPER · FR PVC INSULATION



**FLAME
RETARDANT**



**ENERGY
SAVING**



**LONGER
LIFE**



**BETTER
FLEXIBILITY**

**TECHNICAL
CHARACTERISTICS &
STANDARDS**

≥ 250°C
TEMPERATURE INDEX

≥ 29%
OXYGEN INDEX

> 25 Years
SERVICE LIFE

Single Core, unsheathed FR Cables for 1100 V as per IS 694

Current Carrying Capacity
2 Cables, single phase

Nominal Area of Copper Conductor / Class of Conductor Sq.mm	Conductor Construction (No./Dia.mm)	Thickness of Insulation (180 mtr) mm	Approx Overall Diameter mm	Conductor Resistance (Max) per km @20°C ohms	In Conduit / Trunking amps	Unenclosed – directly to surface or on cable tray amps
CLASS 5 – FLEXIBLE CONDUCTOR						
Class 5 - 0.5	16/0.2	0.6	2.10	39	3	4
Class 5 - 0.75	24/0.2	0.6	2.20	26	6	7
Class 5 - 1	32/0.2	0.6	2.40	19.5	11	12
Class 5 - 1.5	30/0.25	0.7	2.85	13.3	13	16
Class 5 - 2.5	50/0.25	0.8	3.50	7.98	18	22
Class 5 - 4	56/0.3	0.8	4.00	4.95	24	29
Class 5 - 6	84/0.3	0.8	4.50	3.3	31	37
Class 5 - 10	80/0.4	1.0	6.10	1.91	-	46
Class 5 - 16	126/0.4	1.0	7.30	1.21	-	62
CLASS 2 – STRANDED CONDUCTOR						
Class 2 - 1	7/0.43	0.7	2.70	18.1	12	13
Class 2 - 1.5	7/0.53	0.7	3.00	12.1	14	17
Class 2 - 2.5	7/0.67	0.8	3.60	7.41	19	24
Class 2 - 4	7/0.85	0.8	4.10	4.61	26	31
Class 2 - 6	7/1.04	0.8	4.70	3.08	33	40

CORE

Single Core

INSULATION

FR PVC

LENGTH

90 Mtr & 180 Mtr
(Also available in custom sizes)

COLOUR

Red, Green, Blue, Black, White, Yellow (Also
available in custom colours)