

# Multicore Flexible Cable for Appliances & Machine Tools

- Compact construction reduces weight per meter
- Rugged yet flexible for industrial use
- High temperature insulation

## Technical Specification

Type of Insulation	Type of Sheathing	Applicable Standards	Typical Applications
Standard PVC	Standard PVC, HRPVC	IS 694, BS 6500, IEC 60227	Power cords for Appliance temporary power suppliers, 3 core flat cables are suitable for submersible pumo Applications.
Heat Resistant PVC up to 105 C	Standard PVC, HRPVC	IS 694, BS 6500, IEC 60227	Hi-Power appliances, ovens, temporary power supply in higher temperature areas.
Standard FRLS PVC	FRLS ( Flam Retardant Low Smoke)		Power cords for Application used in fire prone areas, flame proof equipments, machine tools used in critical locations and heat zones.

## Multi core Insulated Copper Conductor(Unsheathed) Flexible Cables, I 100 Voltage Grade for Industrial Application

Nomial Cross Sectional Area of Conductor	Number Nom, Dia of cond. Strands*	Thickness of Insulation (Nom)	Nomial Thickness of Sheath			Approx. Overall Diameter			Current Rating AC	Voltage Drop/ Amp/Metre		Max. Conductor Resistance per KM at 20°C
			Two Core	Three Core	Four Core	Two Core	Three Core	Four Core		DC or Single Phase AC	3 Phase AC	
Sq.mm	Mm	Mm	Mm	Mm	Mm	Mm	mm	mm	Amps	mV	Mv	Ohms
0.5	160.2	0.6	0.9	0.9	0.9	6.2	6.6	7.2	5	83	72	39
0.75	240.2	0.9	0.9	0.9	0.9	6.5	6.9	7.6	8	56	48	26
1	320.2	0.9	0.9	0.9	0.9	6.9	7.3	8.2	13	43	37	19
1.5	30/0.25	0.9	0.9	0.9	1	7.6	8.2	9.3	18	31	26	13.3
2.5	50/0.25	1	1	1	1	9	9.6	10.5	24	18	16	7.98
4	26/0.30	1	1	1	1	10.3	10.9	12.3	31	11	9.6	4.95

**Note :** conductor as per class 5, 100 meter packing lengths and in bigger packing on request. Higher sizes of nominal cross sectional area conductor are also available on request the number and diameter of conductor strands are for reference only

### Construction:-

Conductor	:	Plain annealed copper conductor as per IS:B130
Insulation	:	Primary-Natural Type A PVC Secondary-Skin Color coated PVC (25 sq.mm & above are provided with unicolour insulation only)
Color	:	As per IS-694

Any other color on specific request can also be supplied