



## Flexible Cables

**Master Flex** manufacture high quality cables according to IS : 694 : 1990 for house hold and industrial lightening purpose . We never compromise to use sub-standard raw material instead of high standard & hence Master Flex consistently remain with the high degree of quality.

These cables are suitable for fixed wiring, flexible operation & for use on AC single phase systems for rated voltage up to and including 1100 Volts. These cables can be used on DC systems for rated voltage up to & including 1500 Volts to earth.

### CONSTRUCTION DETAILS

**Flexible Cables CONDUCTOR** : Solid / Stranded / Multistranded high conductivity annealed copper wires to meet the requirements according to IS : 8130 : 1984. Copper gets corrode in the atmosphere where sulphur fumes are present, in such conditions Tinned Copper should be used.

### INSULATION :

**TYPE A** Elastomer PVC suitable to withstand maximum rated continuous operating temperature upto 70°C of conductor & the rated voltage upto and including 1100 Volts.

**TYPE B** Insulation suitable to withstand maximum rated continuous operating temperature upto 70°C of conductor & the rated voltage above 1100Volts.

**TYPE C** Heat resisting compound for maximum rated conductor temperature 85°C to the rated voltage upto & including 1100, Volts.

### CORE IDENTIFICATIONS :

Insulation colour are in accordance with IS : 694 : 2010 specification, as under :

No of Cores	Cables For Fixed Wiring	Flexible Cables
01	Red, Black, Yellow, Blue, White or Gray	Red, Black, Yellow, Blue, White or Gray
02	Red & Black	Red & Black
03	Red, Yellow, Blue	Red, Yellow, Blue
04	Red, Yellow, Blue, Black	Red, Yellow, Blue, Black
05	Red, Yellow, Blue, Black, Gray	Red, Yellow, Blue, Black, Green
06 & Above	Two adjacent cores Blue & Yellow counting & direction cores and remaining Grey in each layer or printing numbers over each cores or by different colours	

**LAYING UP** : In case of Multicore cables, cores are laid up with suitable equidistance lay at right hand side direction.

**SHEATH** : The over coating of PVC over the single core insulated wire or multicore laid up wires is called the sheath. The compound should be as per IS : 5831 : 1984 but dimension should be according to IS : 694 : 2010. We consider the customer requirement according to their special use

