



Multicore Flexible Braided Cables



PVC Insulated Heavy Duty of Design & Construction as per IS 1554

USP

- Heavy duty performance.
- Offers the best combination of safety, efficiency and economy.

Typical Example of Design & Construction As per IS 1554

Power Cable & Control Cable : Steel round , wire or steel strip armoured.

CONDUCTOR

High conductivity :
 Insulation : Grade Copper
 Inner Sheath : PVC type A or C
 Armour : PVC type ST1 or ST2 Galvanized wire steel strip
 Outer Sheath : PVC type ST1 or St2

IS SPECIFICATION

8130
 5831
 5831
 3975
 5831

CLASSIFICATION OF PVC COMPOUND

For power cable and control cable upto 4 cores, the cores are identified by different colours as per IS 1554 :

- Single Core : Red, Yellow, Blue, Black etc.
 2 Core : Red and Black
 3 Core : Red, Yellow and Blue
 3½ Core : Red, Yellow, Blue and reduced neutral core in Black.
 4 Core : Red, Yellow, Blue and Black.
 5Core : Red, Yellow, Blue, Black and Grey.

When the number of core exceed 5, numbering is provided on Black core and 1 core Yellow / Green.

Type	Application	Max. Conductor Temp.	Max. Conductor Temp.
A	Insulation	70°C	70°C
C	Insulation	85°C & 105°C	85°C & 105°C
St1	Sheath	70°C	70°C
St2	Sheath	90°C	90°C

Product Code As per IS 1554 / Part-I / 1998, the product is coded by alphabets :

Aluminum	A	(No abbreviations are used for copper.)
PVC insulation	Y	
steel round wire armour	W	
Steel strip armour	F	
Steel double round wire armour	WW	
Steel double strip armour	FF	
PVC outer sheath	Y	

CURRENT RATINGS

The current rating given in tables are based on normal conditions of installation described below:

1. Maximum Conductor 70°C for PVC Insulation & Temperature 85°C for HRPVC Insulation
2. Thermal Resistivity of soil 150°C cm/w
3. Thermal Resistivity of PVC 650°C cm/w
4. Ground temperature 40°C
5. Depth of laying 75 cms (to the highest point of cable laid direct in the ground)