




## Power, Control & Earthing Cables



<b>Construction</b>	: Single Core / Multi Core
<b>Voltage Grade</b>	: Upto 1800 / 3300 V AC
<b>Conductor</b>	: Aluminum / Copper, Solid / Standard / Flexible Conductor
<b>Range</b>	: Single Core up to 1000 Sq. mm Multi Core up to 400 Sq. mm Max 61 Cores of 1.5, 2.5, 4.0, & 6.0 Sq. mm
<b>Primary Insulation</b>	: General Purpose PVC / Heat Resistant PVC / XLPE / EPR / HEPR
<b>Inner Sheath</b>	: General Purpose / PVC / HRPVC / FRPVC / FRLS PVC / ZHFR / LSF
<b>Armouring</b>	: GI Round Wire / Flat Strip or GI / SS Wire Braiding Non-Magnetic Armour / Braiding for Single Core
<b>Outer Sheath</b>	: General Purpose / PVC / HRPVC / FRLS PVC / ZHFR / LSF
<b>Standards</b>	: IS-694, IS-1554 (Part-I), IS-7098 (Part-I), IEC-60502-1 & BS-6346, BS-5467, IEC-60227, BS-6004, IEC-60332-1, IEC-60332-3-22, 23, 24
<b>Optional Bedding</b>	: Aluminium Tape + HDPE + Polyamide Sheath for an alternate Lead Sheath Cables

### Core Identification

Cores shall be identified by different colours of PVC insulation. Following colour scheme shall be adopted

1 Core	: Black or any Single colour
2 Core	: Red & Black
3 Core	: Red, Yellow & Blue
4 Core	: Red, Yellow, Blue & Black
5 Core	: Red, Yellow, Blue, Black & Grey
6 Cores and above	: Two adjacent Cores (counting and direction Core) in each layer, Blue & Yellow, remaining Cores Grey

In addition to these, combinations from the following colours can also be offered -

**Red, Black, Blue, Brown, Green, Grey, Orange, Violet, White, Yellow.**

Alternately, any single colour insulation on all Cores with number printing can also be provided.

### Designation Code

Y	-- PVC insulation
W	-- Steel round wire armour
F	-- Steel strip armour
WW	-- Steel double round wire armour
FF	-- Steel double strip armour
Y	-- PVC outer sheath
Wa	-- Non-magnetic round wire armour
A	-- Aluminium conductor

*No Abbreviations used when the conductor material is Copper*