		3. Copper/ Aluminium conductor used in power cables shall have tensile strength as per relevant standards. Conductors shall be multi stranded. 4. XLPE insulation shall be suitable for continuous conductor temperature of 90 deg. C and short circuit conductor temperature of 250 deg. C. For single-core armoured cables, the armouring may constitute the metallic part of insulation screening. 5. All HT cables shall be of unearthed grade. 6. The cable cores shall be laid up with non-hygroscopic fillers between the cores wherever necessary. It shall not stick to insulation and inner sheath. 7. All the cables, other than single core cables, shall have distinct extruded PVC inner sheath of black colour as per IS: 5831.In case of single core cables where there are both metallic screening and armouring, there shall be extruded inner sheath between them. 8. All cables and wires shall be FRLSH conforming to category AF as per IS: 10810. 9. The Armour used shall be galvanized round steel wire and shall conform the latest IS-3975. 10. Aluminium conductor used in power cables shall have tensile strength of more than 100 N/ sq.mm. Conductors shall be multi stranded. 11. Cores of three core cables shall be identified by colouring of insulation or by providing coloured tapes helically over the cores, with Red, Yellow & Blue colours. 12. All cables shall meet the fire resistance requirement as per Category-B of IEC-332 Part-3. 13. 19/33 KV Grade power cables shall conform to IS 7098 Part-II. These cables shall be multi-stranded, compacted circular aluminium conductor, XLPE-insulated, metallic screened PVC outer sheathed. The conductor screen and insulation screen shall both be of extruded semiconducting compound and shall be applied along with the XLPE insulation in a single operation of triple extrusion process so as to obtain continuously smooth interfaces. Method of curing for 19/33 KV Cables shall be “dry curing / gas curing “. The metallic screen for each core shall be capable of carrying the system earth fault current and shall consist of copper wires or tape with minimum overlap of 20%. However, for single core armoured cables, the armouring shall constitute the metallic part of the screening. 14. 11/11KV, 6.6/6.6KV Grade power cables shall conform to IS-7098 Part-II. These cables shall be multi-stranded, compacted circular aluminium conductor, XLPE-insulated, metallic screened, PVC