

Electricity Authority. Before ordering any cable the Contractor shall prepare and submit for the Engineer's approval a detailed cable schedule showing all data and information of power - and control cables / wires required for the Works. All cables necessary for the complete operational installation shall be included.

#### **1.3.31.1 Design Requirements**

##### **Cable Code**

- HP** Power Cable, (>1kV), Stranded Copper Conductors, Wire armoured (rated for carry the through fault current with earthing resistance short circuit), Over sheath of medium density polyethylene as per ADDC specification
- LP** Low Voltage Cable, PVC insulated, (<1kV), Stranded Copper Conductors
- LPA** Low Voltage Cable, PVC insulated, Armoured, Stranded Copper Conductors
- LPX** Low Voltage Cable, XLPE insulated, Stranded Copper Conductors
- LPXA** Low Voltage Cable, XLPE insulated, Armoured, Stranded Copper Conductors
- C** Control Cable, PVC insulated, Stranded Copper Conductors
- CA** Control cable, PVC insulated Armoured, stranded Copper conductors
- CAS** Control cable, PVC insulated Armoured, shielded stranded Copper conductors
- CS** Control Cable, PVC insulated, Shielded Stranded Copper Conductors
- FM** Fire Resistant Cable, Mineral insulated, Copper Sheathed Solid Conductors
- FG** Fire Resistant Cable, EPR insulated, Mica Glass protected Stranded Conductors
- SM** Submersible cable, with additional in resin embedded conductor, material suitable for aggressive liquid media

#### **1.3.31.2 Core Colour Code**

- |              |   |                             |
|--------------|---|-----------------------------|
| 2 core cable | - | Black / Red                 |
| 3 core cable | - | Red / Yellow / Blue         |
| 4 core cable | - | Black / Red / Yellow / Blue |