

**POWER CABLE**  
**Cu, EPR insulated, PVC bedding, SWB, PVC outer sheath**  
**IEC60332.3**

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**Type**                      **F-Cu/EPR/PVC/SWB/PVC 0,6/1Kv**                      **3X 35sqmm + G 25sqmm**  
**FG7ORAR 0,6/1Kv**

**Conductor :**              Flexible plain copper conductor according to IEC60228 cl.5 size 35sqmm  
Diam.                      7,7 mm

**Insulation :**              Cross-linked HEPR extruded compound                      - Temperature range -20 + 90°C  
Thickness :                      0,9 mm                      - Temperature laying -5 + 90°C

**Laying up :**              Twisted to pair, color Y/G - Brown - Black - Grey ( or to be agreed )

**Bedding :**                      PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Thickness :                      1,0 mm

**Armour :**                      SWB, Galvanized steel braid wires  
Thickness :                      0,3 mm

**Outer sheath :**              PVC, Polyvinylchloride Low Smoke and Fume extruded compound  
Color :                      Black ( or to be agreed )  
Thickness :                      2,0 mm  
Overall diameter :                      34 mm  
Total weight :                      2200 Kg/Km

**Marking :**

On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.

**Performance :**

- Conductor resistance                      39 ohm/Km                      ( + 5% for multipair )
- Test voltage core to core                      4 Kv
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission  $\leq$  22%
- Minimum bending radius                      12 V. D.
- Hydrocarbon UV resistant
  
- Inductance  $\leq$  0,90 mH/Km
- Capacitance  $\leq$  0,250 microF/Km

**Weight and diameter are theoretical + / - 10%**