07RN8-F 450/750V

Flexible rubber insulated and sheathed cables
07RN8-F 450/750V
Based on EN 50525-2-21

Construction:

Conductors:	Annealed flexible stranded bare copper class 5 to EN 60228
Insulation:	Ethylene-propylene rubber (EPR) type EI4 in acc. To EN 50363-1
Circuit identification:	Black with white numbering
Outer jacket:	A synthetic thermosetting compound type EM2 in acc. To EN 50363-2-1
Colour of outer jacket:	Black
Flame propagation:	EN 60332-1-2:2004, IEC 60332-1-2:2004
Standard Marking:	Kable 3 CE 07RN8-F (Size) (Year)

For cable diameter D (mm)

Minimum bending radius:	D<8	8<12	12<20	D>20
For fixed installation:	3D	3D	4D	4D
At inlet of portable appliance or mobile equipment. No mechanical load on cable	4D	4D	5D	6D
Under mechanical load	6D	6D	6D	8

Features

- Excellent flexibility
- Water resistant and flame retardant
- Temperature range -25°C to + 90°C. For fixed installation lowest temperature is -40°C
- UV, sunlight, ozone, oil resistant
- Ink jet printed for easy identification

Applications

- Heavy duty flexible cables are suited for use medium mechanical stress specially for the connection of
  submersibe motor pumps for construction site drainage down to a water (clean or dirty) depth of about 10m,
  in some cases may by use up to 500m (without approvals) and the maximum water temperature upt o 40°!C.
- The cables may be rated 0,6/1 kV where the installation has been built in protection and for motors lifting
  appliances-machine tools etc.
- Other industrial applications

Number and cross-sectional area of conductor:	3 x 2,5mm + 4 x 1,5mm
Maximum diameter of wires:	0,26mm
Nominal thickness of insulation:	2,5 mm²/0,9mm 1,5 mm²/0,8mm (1,1)
Nominal thickness of sheath:	2,8mm
Approximate overall diamter:	18,3mm
Approximate net weight:	429 kg/km

Maximum conductor resistance at temperature 20°C:	2,5mm²/7,98 Ohm/km 1,5mm²/13,3 Ohm/km

- Further formats available on request
- All data and products subject to change