



07RN8-F 450/750V

Flexible rubber insulated and sheathed cables

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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:	TF 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	8D

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 submersible motor pumps for construction site drainage down to a water (clean or dirty) depth of about 10m, in some cases may be use up to 500m (without approvals) and the maximum water temperature up to 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 mm ² /0,9mm 1,5 mm ² /0,8mm
(1,1)	
Nominal thickness of sheath:	2,8mm
Approximate overall diameter:	18,3mm
Ca. Nettogewicht:	429 kg/km
Maximum conductor resistance at temperature 20°C:	2,5mm ² /7,98 Ohm/km
1,5mm ² /13,3 Ohm/km	

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