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APPLICATION

Xtrem® H07RN-F rubber cables are designed to supply power to low voltage appliances including electric motors and submersible pumps in deep water installations, as well as many other electrical equipment.

Thanks to its extraordinary flexibility and mechanical strength, the Xtrem® H07RN-F cable is ideal for power transmission in both fixed installation or mobile service.

The use nominal voltage up to 1000 V is accepted in fixed protected assemblies.

Top Cable Xtrem® H07RN-F cables are designed to power all types of electrical equipment including motors and submersible pumps in deep water installations (ADB)

CONSTRUCTION

Conductor

Electrolytic annealed copper, class 5 (flexible) according to EN 60228 and IEC 60228.

Insulation

Thermosetting rubber, type EI7 according to EN 50363-1.

The standard identification according to HD 308 and EN 50334 is the following:

1 x	
2 x	
3 G	Natural
3 x	Blue + Brown
4 G	Blue + Brown + Green/Yellow
4 x	Brown + Black + Grey
5 G	Brown + Black + Grey + Green/Yellow
5 x	Brown + Black + Grey + Blue
6 or more	Brown + Black + Grey + Blue + Green/Yellow
	Brown + Black + Grey + Black + Blue

Outer sheath

Thermosetting flexible rubber, type EM2 according to EN 50363-2-1. Black colour.

CHARACTERISTICS



Electrical performance
Low voltage: 450/750 V.



Thermal performance
Maximum conductor temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (fixed and protected installations) and 25°C (mobile use).



Fire performance
Flame non-propagation according to EN 60332-1 / IEC 60332-1.
Reaction to fire CPR: Eca according to EN 50575.



Mechanical performance
Minimum bending radius:
3x cable diameter < 12 mm.
4x cable diameter ≥ 12 mm.
Impact resistance: AG2 Medium severity.



Environmental performance
Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent.
UV Resistant according to EN 50618.
Water resistance: ADB Submersion.
Cable for submersible pumps in drinkable water according to AS/ NZS 4020.
Deep wells AWQC.



Installation conditions
Open Air.
Submersible pumps cable.



Other
Meter by meter marking.

STANDARDS / COMPLIANCE



According to
EN 50525-2-21 / IEC 60092-353 / IEC 60245-4



Standards and approvals
HAR / AENOR / DNV / RoHS / CE



CPR (Construction Products Regulation)
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