

# STANDARD H07RN-F vs Xtrem H07RN-F

“Rubber cables are ideal for Heavy Duty work. The right choice of cable can help you avoid problems and extend the lifetime of the installation.”  
**Xtrem Top Cable H07RN-F gives you more than just a standard H07RN-F.**



## COMPARISON

FEATURES	STANDARD H07RN-F	XTREM H07RN-F	
STANDARDS	EN-50525-2-21 IEC 60245	✓ EN-50525-2-21 IEC 60245 H07RN8-F	Can be permanently submerged
VOLTAGE RATE	450/750v	✓ 450/750v and 0,6/1 kV (DN-F)	Suitable for mobile installations up to 1kV.
CONDUCTOR	60 °C	✓ 90 °C	Higher current capacity and better for dealing with peaks.
MAXIMUM TEMPERATURE SURFACE	50 °C	✓ 75 °C	Xtrem is suitable for use in hot environmental conditions (heavy industries, ...)
MINIMUM WORKING	- 25 °C	✓ -40 °C	Xtrem H07RN-F is suitable for use in cold environments.
MAXIMUM SHORT CIRCUIT	200 °C	✓ 250 °C	Better protection in short-circuit temperature circumstances.
PRESENCE OF WATER	AD6, temporary	✓ AD8, permanent	Deep water certified. Permanent submersion in water. Suitable for powering submerged pumps.
DRINKING WATER	Suitable	✓ Certified	Adequate and certified for drink water.
CONDUCTOR FLEXIBILITY	Class 5	✓ Class 6 for 185 mm <sup>2</sup> and higher.	Improved Flexibility in all cross-sections
TORSION	-	✓ Torsion resistant	Torsion tested for windmill applications
CABLE PERFORMANCE	★★★★☆	★★★★★	



✓ **Xtrem Top Cable H07RN-F is Deep Water Certified.**

# Xtrem H07RN-F

LOW VOLTAGE 450/750 V

Based on: **EN-50525-2-21**

Power and flexibility to the limit.



AENOR



## DESIGN

### Conductor

Electrolytic copper, class 5 or 6 (flexible), based on EN 60228

### Insulation

Thermosetting rubber (type EI4).

The standard identification is the following:

- 1 x ..... natural
- 2 x ..... Brown + Blue
- 3 G ..... Brown + Blue + Yellow/green
- 4 G ..... Brown + Black + Grey + Yellow/green
- 5 G ..... Brown + Black + Grey + Blue + Yellow/green
- 6 G or more ..... Black numbered + Yellow/Green

### Outer sheath

Thermosetting rubber (type EM2). Black colour.

## APPLICATIONS

Top Cable H07RN-F 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 types of 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 cable has been manufactured using compounds which have much better behaviour than the ones specified in the standards. This fact makes the Xtrem H07RN-F cable a multipurpose one. Nominal voltage up to 1000 V possible thanks to the high dielectric properties of the insulation material (according to HD 516).

### Packaging






Available in rolls (lengths of 50 and 100 m) and coils.



## CHARACTERISTICS

-  Flexible conductor, class 5/6
-  Minimum bending radius 3&4 cable diameter
-  Outdoor installation: permanent
-  Grease & mineral oils resistance: excellent
-  Minimum service temperature: -40 °C (fixed)
-  Meter by meter marking
-  Water resistance AD8 submerged
-  Abrasion resistance: excellent
-  Maximum service temperature 90°C
-  Flame non-propagation
-  Chemical & Oil resistance: excellent
-  Anti-twist resistant: excellent
-  Maximum short-circuit temperature: 250°C (max. 5 s)
-  Impact resistance AG2 medium impact
-  Low temperature resistance: excellent (-40°C)
-  Submersible pumps

## INSTALLATION CONDITIONS

-  Industrial use
-  Robotics
-  Industrial mobile use
-  Open air
-  Heavy mobile use
-  Submerged
-  Windmills
-  Deep wells