

# H07RN-F TITANEX® PREMIUM

TITANEX® PREMIUM 5G10

## DESCRIPTION

TITANEX® PREMIUM is a new H07RN-F cable with a wide variety of properties. It is zero halogen and recommended for use in the case of fire risk. It also includes the properties of H07RN8-F cables for resistance to submersion (AD8), H07BN4-F cables for operating temperature (90°C), and H07BB-F cables for use in extreme cold conditions (down to -50°C).



## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper class 5
Insulation	Cross-linked synthetic elastomer type EI 4 waterproof, EI 6, EI 7, EI 8
Outer sheath	Cross-linked synthetic elastomer type EM2 waterproof, EM6, EM7, EM8
Sheath colour	Black
Halogen free	Yes
With Green/Yellow core	Yes
With smaller neutral conductor	No

### Dimensional characteristics

Number of cores	5
Conductor cross-section	10 mm <sup>2</sup>
Approximate net weight	1001 kg/km
Maximum outer diameter	29.1 mm
Neutral conductor section (when smaller)	- mm <sup>2</sup>

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (Um)	450 / 750 V
Permissible current rating in open air	- A
Permissible mobile installation current	60 A
Protected and fixed installation current	75 A
Voltage drop, single phase	3.43 V/A.km

### Mechanical characteristics

Mechanical resistance to impacts	Good
Cable flexibility	Flexible



Halogen free Yes	Rated Voltage U <sub>0</sub> /U (Um) 450 / 750 V	Mechanical resistance to impacts Good	Cable flexibility Flexible	Bending factor installed 4 (xD)	Dynamic bending factor 8 (xD)	Flame retardant NFC 32070 C2, IEC 60332-1-2	Max. conduct or temp. in service 90 °C	Maximum operating temperature 85 °C	Minimum operating temperature -50 °C	Oil resistance Good	RoHS compliant Yes	Water proof AD8
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