

## MALE/FEMALE CONNECTORS KF-FM

*fully reinforced with  
copper sleeve - PA6.6 insulated terminals*

'KF-' type terminals are designed to offer improved mechanical and electrical integrity under heavy-duty application.

This is achieved via a Copper sleeve located between the Brass barrel and Polyamide insulation of the terminal.

The funnel shape of this sleeve is designed to provide 'easy entry' of stranded conductor by smoothing the internal path. Then, during crimping, the insulation of the conductor is integrated into the crimp due to the Copper sleeve being deformed around it to maintain the level of 'grip' required in applications subject to continuous mechanical vibrations (e.g: mobile plant, vehicles, moving components).



### Technical details:

The connectors are manufactured from brass P-Cu Zn 30 UNI 4895/1962 (corresponding to: Cu Zn 30 DIN 17660/1974 ; Cu Zn 30 NF A51-101/1977) full the IEC 760 requirements

The reinforcement tube is made of copper SF Cu DIN 1787/1973, F25

Main characteristics of the PA6.6 sleeve:

DIELECTRIC STRENGTH (kV/mm) : >16,5

VOLUME RESISTIVITY ( $\Omega$ /cm) : >10<sup>13</sup>

MAX OPERATING TEMPERATURE (°C) : 105

FLAMMABILITY' (UL-94) : V-2


DENSITY (g/cm<sup>3</sup>) : 1,14

WATER ABSORPTION (%) : 1,5

BREAKING LOAD (N/mm<sup>2</sup>) : 77

"KF-" type terminals can be stored at a minimum temperature not below - 40°C.

CERTIFICATES 

 2011/65/EU

# MALE/FEMALE CONNECTORS **KF-FM**

## *Technical characteristics*


Halogen Free	yes
Min operating temperature range	-20 °C
Max operating temperature range	105 °C
Max operating temperature range (surge)	110 °C
Dimensional form	Male- female terminal
Material (Body)	Electrolytically tin-plated brass
Material (Fully reinforced)	ETP Copper electrolytically tinned
Material (Partially reinforced)	Polyamide PA6.6




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### List of products


#### **RKF-FM** Cable type: flexible copper, Minimum section: 0.25 mm<sup>2</sup>, Maximum section: 1.5 mm<sup>2</sup>

Type	Width	Pack qty	Min. pack qty	Height of the hooked	Colour	
RKF-FM608	6.35 mm	1,500	100	0.8 mm	Red	

#### **RKF-FM** Cable type: copper, Minimum section: 0.25 mm<sup>2</sup>, Maximum section: 1.5 mm<sup>2</sup>

Type	Width	Pack qty	Min. pack qty	Height of the hooked	Colour	
RKF-FM608	6.35 mm	1,500	100	0.8 mm	Red	

#### **BKF-FM** Cable type: copper, Minimum section: 1.5 mm<sup>2</sup>, Maximum section: 2.5 mm<sup>2</sup>

Type	Width	Pack qty	Min. pack qty	Height of the hooked	Colour	
BKF-FM608	6.35 mm	1,500	100	0.8 mm	Blue	

#### **BKF-FM** Cable type: flexible copper, Minimum section: 1.5 mm<sup>2</sup>, Maximum section: 2.5 mm<sup>2</sup>

Type	Width	Pack qty	Min. pack qty	Height of the hooked	Colour	
BKF-FM608	6.35 mm	1,500	100	0.8 mm	Blue	