

SOCKET CONNECTORS KF-BF

*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 (Ω /cm) : >10¹³

MAX OPERATING TEMPERATURE (°C) : 105

FLAMMABILITY' (UL-94) : V-2


DENSITY (g/cm³) : 1,14

WATER ABSORPTION (%) : 1,5

BREAKING LOAD (N/mm²) : 77

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

CERTIFICATES 

 2011/65/EU

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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	Female socket connector
Material (Body)	Electrolytically tin-plated brass
Material (Fully reinforced)	ETP Copper electrolytically tinned
Material (Insulated)	Polyamide PA6.6




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List of products

RKF-BF Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Type	Diameter	Pack qty	Min. pack qty	Colour	
RKF-BF4	4 mm	1,000	100	Red	

RKF-BF Cable type: flexible copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Type	Diameter	Pack qty	Min. pack qty	Colour	
RKF-BF4	4 mm	1,000	100	Red	

BKF-BF Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Type	Diameter	Pack qty	Min. pack qty	Colour	
BKF-BF4	4 mm	800	100	Blue	

BKF-BF Cable type: flexible copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Type	Diameter	Pack qty	Min. pack qty	Colour	
BKF-BF4	4 mm	800	100	Blue	