

## FEMALE DISCONNECT TERMINALS PF-FD

### *polycarbonate insulated terminals - partially reinforced with copper sleeve*

The PC insulated disconnect terminals has been designed, to meet the increasing demands for improved safety and reliability of electrical connectors.

The polycarbonate insulation, is a halogen free, self extinguishing thermoplastic material class V0 (UL 94). The unique funnel shaped entry of the insulation sleeve, guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection.



#### 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) according to IEC 760 norms and are tin plated with a minimum thickness of 3µm.
- >The reinforcement tube is made of copper SF Cu DIN 1787/1973, F25

#### Main characteristics of the PC sleeves:

- >DIELECTRIC STRENGTH (KV/mm): >30
- >VOLUME RESISTIVITY ( $\Omega/cm$ ): >10<sup>16</sup>
- >MAX OPERATING TEMPERATURE (°C): 115÷130
- >FLAMMABILITY (UL-94): V0
- >DENSITY (g/cm<sup>3</sup>): 1,2
- >WATER ABSORPTION (%): 0,15
- >BREAKING LOAD (N/mm<sup>2</sup>): >65

The connectors can be used within the following temperature range: - 20 ÷ + 115 °C (Surge + 130° C)

CERTIFICATES 



According to UL 486A standard (file E212000)



2011/65/EU

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## *Technical characteristics*

Dimensional form	Female terminal
Material (Body)	Electrolytically tin-plated brass
Material (Partially reinforced)	ABS
Material (Partially reinforced)	Polycarbonate
Halogen Free	yes
Min operating temperature range	-4 °F
Max operating temperature range	239 °F
Max operating temperature range (surge)	266 °F








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## List of products






**RPF-FD** *Cable type: flexible copper, Minimum section: 22 AWG, Maximum section: 16 AWG*




Color Red




Type	Width	Length	Pack qty	Min. pack qty	
RPF-111FD	0.02 in.	0.11 in.	3,500	100	
RPF-110FD	0.03 in.	0.11 in.	3,500	100	
RPF-188FD	0.02 in.	0.19 in.	3,000	100	
RPF-187FD	0.03 in.	0.19 in.	3,000	100	
RPF-250FD	0.03 in.	0.25 in.	2,000	100	


**RPF-FD** *Cable type: copper, Minimum section: 22 AWG, Maximum section: 16 AWG*

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RPF-250FD	0.03 in.	0.25 in.	2,000	100	

<b>BPF-FD</b> <i>Cable type: copper, Minimum section: 16 AWG, Maximum section: 14 AWG</i>					
Color					Blue
Type	Width	Length	Pack qty	Min. pack qty	
BPF-188FD	0.02 in.	0.19 in.	3,000	100	
BPF-187FD	0.03 in.	0.19 in.	2,500	100	
BPF-250FD	0.03 in.	0.25 in.	2,000	100	

<b>BPF-FD</b> <i>Cable type: flexible copper, Minimum section: 16 AWG, Maximum section: 15 AWG</i>					
Color					Blue
Type	Width	Length	Pack qty	Min. pack qty	
BPF-188FD	0.02 in.	0.19 in.	3,000	100	
BPF-187FD	0.03 in.	0.19 in.	2,500	100	
BPF-250FD	0.03 in.	0.25 in.	2,000	100	

<b>YPF-FD</b> <i>Cable type: flexible copper, Minimum section: 12 AWG, Maximum section: 10 AWG</i>					
Color					Yellow
Type	Width	Length	Pack qty	Min. pack qty	
YPF-250FD	0.03 in.	0.25 in.	1,000	100	

<b>YPF-FD</b> <i>Cable type: copper, Minimum section: 12 AWG, Maximum section: 10 AWG</i>					
Color					Yellow
Type	Width	Length	Pack qty	Min. pack qty	
YPF-250FD	0.03 in.	0.25 in.	1,000	100	