

FEMALE DISCONNECT TERMINALS F-FP

Polycarbonate fully 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 3m.

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 (Ω/cm) : $>10^{16}$
- >MAX OPERATING TEMPERATURE ($^{\circ}C$) : 115÷130
- >FLAMMABILITY (UL-94) : V0
- >DENSITY (g/cm^3) : 1,2
- >WATER ABSORPTION (%) : 0,15
- >BREAKING LOAD (N/mm^2) : >65

Markings:

cULus According to UL 310 standard (file 212000)

Certified according to **EN 45545-2:2013** for Hazard Levels HL1 - HL2, requirement set R22 and for Hazard Levels HL1 - HL2 - HL3, requirement set R23

 According to UL 310 standard (le 212000)  2011/65/EU

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Technical characteristics

Halogen Free	yes
UL94 class	V0
Min operating temperature range	-20 °C
Max operating temperature range	115 °C
Max operating temperature range (surge)	130 °C
Dimensional form	Female terminal
Material (Body)	Electrolytically tin-plated brass
Material (Partially reinforced)	ETP Copper electrolytically tinned
Material (Insulated)	Polycarbonate





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List of products

RF-FP Cable type: copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-F305P	Red	2.8 mm	20 mm	0.5 mm	2,500	100	
RF-F308P	Red	2.8 mm	20 mm	0.8 mm	2,000	100	
RF-F405P	Red	4.8 mm	20 mm	0.5 mm	1,500	100	
RF-F408P	Red	4.8 mm	20 mm	0.8 mm	1,500	100	
RF-F608P	Red	6.35 mm	22.7 mm	0.8 mm	1,000	100	


RF-FP Cable type: flexible copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-F305P	Red	2.8 mm	20 mm	0.5 mm	2,500	100	
RF-F308P	Red	2.8 mm	20 mm	0.8 mm	2,000	100	
RF-F405P	Red	4.8 mm	20 mm	0.5 mm	1,500	100	
RF-F408P	Red	4.8 mm	20 mm	0.8 mm	1,500	100	
RF-F608P	Red	6.35 mm	22.7 mm	0.8 mm	1,000	100	

BF-FP Cable type: copper, Minimum section: 1.5 mm ² , Maximum section: 2.5 mm ²							
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-F408P	Blue	4.8 mm	20 mm	0.8 mm	1,500	100	
BF-F608P	Blue	6.35 mm	23 mm	0.8 mm	1,000	100	

BF-FP Cable type: flexible copper, Minimum section: 1.5 mm², Maximum section: 2.5 mm²

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-F408P	Blue	4.8 mm	20 mm	0.8 mm	1,500	100	
BF-F608P	Blue	6.35 mm	23 mm	0.8 mm	1,000	100	

GF-FP Cable type: copper, Minimum section: 4 mm², Maximum section: 6 mm²

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
GF-F608P	Yellow	6.35 mm	25.8 mm	0.8 mm	800	100	

GF-FP Cable type: flexible copper, Minimum section: 4 mm², Maximum section: 6 mm²

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
GF-F608P	Yellow	6.35 mm	25.8 mm	0.8 mm	800	100	