

PC INSULATED DISCONNECT TERMINALS F-

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 (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

CERTIFICATES 



According to UL 310 standard (file 212000)



2011/65/EU

PC INSULATED DISCONNECT TERMINALS F-

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

PC INSULATED DISCONNECT TERMINALS F-

List of products

RF-F Cable type: copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Dimensional form							Female terminal
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							Polycarbonate
Material (Partially reinforced)							ETP Copper electrolytically tinned
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-F305	Red	2.8 mm	19.5 mm	0.5 mm	3,000	100	
RF-F308	Red	2.8 mm	19.5 mm	0.8 mm	3,500	100	
RF-F405	Red	4.8 mm	19.5 mm	0.5 mm	2,500	100	
RF-F408	Red	4.8 mm	19.5 mm	0.8 mm	2,500	100	
RF-F608	Red	6.35 mm	22.2 mm	0.8 mm	2,000	100	

RF-F Cable type: flexible copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Dimensional form							Female terminal
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							Polycarbonate
Material (Partially reinforced)							ETP Copper electrolytically tinned
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-F305	Red	2.8 mm	19.5 mm	0.5 mm	3,000	100	
RF-F308	Red	2.8 mm	19.5 mm	0.8 mm	3,500	100	
RF-F405	Red	4.8 mm	19.5 mm	0.5 mm	2,500	100	
RF-F408	Red	4.8 mm	19.5 mm	0.8 mm	2,500	100	
RF-F608	Red	6.35 mm	22.2 mm	0.8 mm	2,000	100	

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

Dimensional form
 Material (Body) Female terminal
 Material (Partially reinforced) Electrolytically tin-plated brass
 Material (Partially reinforced) Polycarbonate
 ETP Copper elettrolytically tinned

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-F405	Blue	4.8 mm	19.5 mm	0.5 mm	2,500	100	
BF-F408	Blue	4.8 mm	19.5 mm	0.8 mm	2,500	100	
BF-F608	Blue	6.35 mm	22.2 mm	0.8 mm	1,500	100	
BF-F405P	Blue	4.8 mm	20 mm	0.5 mm	1,500	100	


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

Dimensional form
 Material (Body) Female terminal
 Material (Partially reinforced) Electrolytically tin-plated brass
 Material (Partially reinforced) Polycarbonate
 ETP Copper elettrolytically tinned

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-F405	Blue	4.8 mm	19.5 mm	0.5 mm	2,500	100	
BF-F408	Blue	4.8 mm	19.5 mm	0.8 mm	2,500	100	
BF-F608	Blue	6.35 mm	22.2 mm	0.8 mm	1,500	100	
BF-F405P	Blue	4.8 mm	20 mm	0.5 mm	1,500	100	


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

Dimensional form
 Material (Body) Female terminal
 Material (Partially reinforced) Electrolytically tin-plated brass
 Material (Partially reinforced) Polycarbonate
 ETP Copper elettrolytically tinned

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
GF-F608	Yellow	6.35 mm	24.5 mm	0.8 mm	1,000	100	

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


Dimensional form
 Material (Body) Female terminal
 Material (Partially reinforced) Electrolytically tin-plated brass
 Material (Partially reinforced) Polycarbonate
 ETP Copper elettrolytically tinned

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
GF-F608	Yellow	6.35 mm	24.5 mm	0.8 mm	1,000	100	

RF-FP Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Insulated)




Female terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate

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 mm², Maximum section: 1.5 mm²

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Insulated)



Female terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate

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 mm², Maximum section: 2.5 mm²

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Insulated)



Female terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate

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

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Insulated)

Female terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate

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

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Insulated)

Female terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate

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

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Insulated)

Female terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate


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	

RF-M608 Cable type: flexible copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Dimensional form
 Material (Body)
 Material (Partially reinforced)
 Material (Partially reinforced)

Male terminal
 Electrolytically tin-plated brass
 ETP Copper electrolytically tinned
 Polycarbonate



	Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
	RF-M608	Red	6.35 mm	21 mm	0.8 mm	3,000	100	

RF-M608 *Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²*

Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Partially reinforced) Polycarbonate




	Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
	RF-M608	Red	6.35 mm	21 mm	0.8 mm	3,000	100	

BF-M608 *Cable type: copper, Minimum section: 1.5 mm², Maximum section: 2.5 mm²*

Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Partially reinforced) Polycarbonate





	Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
	BF-M608	Blue	6.35 mm	21 mm	0.8 mm	2,000	100	

BF-M608 *Cable type: flexible copper, Minimum section: 1.5 mm², Maximum section: 2.5 mm²*

Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Partially reinforced) Polycarbonate




	Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
	BF-M608	Blue	6.35 mm	21 mm	0.8 mm	2,000	100	

GF-M608 *Cable type: flexible copper, Minimum section: 4 mm², Maximum section: 6 mm²*


Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Partially reinforced) Polycarbonate





	Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
	GF-M608	Yellow	6.35 mm	25 mm	0.8 mm	1,000	100	

GF-M608 *Cable type: copper, Minimum section: 4 mm², Maximum section: 6 mm²*


Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Partially reinforced) Polycarbonate



Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
 GF-M608	Yellow	6.35 mm	25 mm	0.8 mm	1,000	100	


RF-MP *Cable type: flexible copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²*

Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Insulated) Polycarbonate

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-M608P	Red	6.35 mm	22 mm	0.8 mm	1,000	100	


RF-MP *Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²*

Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Insulated) Polycarbonate

Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-M608P	Red	6.35 mm	22 mm	0.8 mm	1,000	100	


BF-MP *Cable type: copper, Minimum section: 1.5 mm², Maximum section: 2.5 mm²*


Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Insulated) Polycarbonate


Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-M608P	Blue	6.35 mm	22 mm	0.8 mm	800	100	


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


Dimensional form Male terminal
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (Insulated) Polycarbonate


Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-M608P	Blue	6.35 mm	22 mm	0.8 mm	800	100	

RF-FM Cable type: flexible copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Dimensional form							Male- female terminal
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							ETP Copper electrolytically tinned
Material (Partially reinforced)							Polycarbonate
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-FM608	Red	6.35 mm	21 mm	0.8 mm	1,000	100	

RF-FM Cable type: copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Dimensional form							Male- female terminal
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							ETP Copper electrolytically tinned
Material (Partially reinforced)							Polycarbonate
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
RF-FM608	Red	6.35 mm	21 mm	0.8 mm	1,000	100	

BF-FM Cable type: copper, Minimum section: 1.5 mm ² , Maximum section: 2.5 mm ²							
Dimensional form							Male- female terminal
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							ETP Copper electrolytically tinned
Material (Partially reinforced)							Polycarbonate
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-FM608	Blue	6.35 mm	21 mm	0.8 mm	1,500	100	

BF-FM Cable type: flexible copper, Minimum section: 1.5 mm ² , Maximum section: 2.5 mm ²							
Dimensional form							Male- female terminal
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							ETP Copper electrolytically tinned
Material (Partially reinforced)							Polycarbonate
Type	Colour	Width	Length	Height of the hooked	Pack qty	Min. pack qty	
BF-FM608	Blue	6.35 mm	21 mm	0.8 mm	1,500	100	

RF-BM Cable type: flexible copper, Minimum section: 0.25 mm ² , Maximum section: 1.5 mm ²							
Dimensional form							Male bullet connector
Material (Body)							Electrolytically tin-plated brass
Material (Partially reinforced)							ABS
Material (Partially reinforced)							Polycarbonate
Type	Colour	Diameter	Length	Pack qty	Min. pack qty		
RF-BM4	Red	4 mm	25 mm	2,500	100		


RF-BM Cable type: copper, Minimum section: 0.25 mm², Maximum section: 1.5 mm²

Dimensional form Male bullet connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ABS
 Material (Partially reinforced) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
RF-BM4	Red	4 mm	25 mm	2,500	100	


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

Dimensional form Male bullet connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ABS
 Material (Partially reinforced) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
BF-BM5	Blue	5 mm	25.3 mm	2,000	100	


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

Dimensional form Male bullet connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ABS
 Material (Partially reinforced) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
BF-BM5	Blue	5 mm	25.3 mm	2,000	100	


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

Dimensional form Female socket connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (fully insulated) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
RF-BF4	Red	4 mm	30.5 mm	800	100	


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

Dimensional form Female socket connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (fully insulated) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
RF-BF4	Red	4 mm	30.5 mm	800	100	

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

Dimensional form Female socket connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (fully insulated) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
BF-BF5	Blue	5 mm	30.8 mm	500	100	

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

Dimensional form Female socket connector
 Material (Body) Electrolytically tin-plated brass
 Material (Partially reinforced) ETP Copper electrolytically tinned
 Material (fully insulated) Polycarbonate

Type	Colour	Diameter	Length	Pack qty	Min. pack qty	
BF-BF5	Blue	5 mm	30.8 mm	500	100	