

PVC INSULATED CRIMP TERMINALS BF-M

ring terminals

The unique funnel shaped PVC sleeve guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection.

The internal surface of the barrel is rifled to improve contact with conductor strands when crimped and to increase tensile strength.

The "F" range of terminals offers a wide selection of rings, forks, pins and blades, designed to meet the ever changing end user requirements.



Technical details:


The connectors are manufactured from electrolytic Copper Cu-ETP CWO04A according to UNI EN 1652:1999 and are tin plated with a minimum thickness of 3µm.

Main characteristics of the PVC sleeves:

- >DIELECTRIC STRENGTH (KV/mm) : >35
- >VOLUME RESISTIVITY (Ω/cm) : $>10^{15}$
- >MAX OPERATING TEMPERATURE ($^{\circ}C$) : 80
- >FLAMMABILITY (UL-94) : V0
- >DENSITY (g/cm^3) : 1,4
- >WATER ABSORPTION (%) : $0,1\pm 0,6$
- >BREAKING LOAD (N/mm^2) : 45 ± 50

The connectors can be stored at a minimum temperature not below - 40°C.

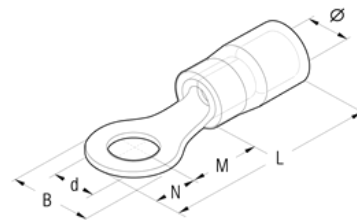
CERTIFICATES 

 USL-CNL E125401 Canada & United States
File no. E125401

PVC INSULATED CRIMP TERMINALS **BF-M**

Technical characteristics

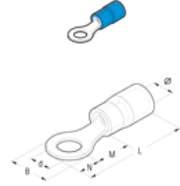
Easy entry	yes
UL94 class	V0
Min operating temperature range	-20 °C
Max operating temperature range	80 °C
Max operating temperature range (surge)	90 °C
Dimensional form	Ring terminal
Material (Body)	Electrolytic copper
Material (Partially reinforced)	PVC



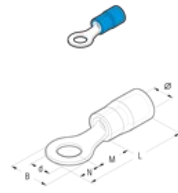
PVC INSULATED CRIMP TERMINALS BF-M

List of products

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



	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	BF-M2	Blue	4.9 mm	5.6 mm	5 mm	2.8 mm	17.9 mm	2.2 mm	3,000	100	
	BF-M3	Blue	4.9 mm	5.6 mm	5 mm	2.8 mm	17.9 mm	3.2 mm	2,500	100	
	BF-M3.5	Blue	4.9 mm	5.6 mm	5 mm	2.8 mm	17.9 mm	3.7 mm	2,500	100	
	BF-M3.5/1	Blue	4.9 mm	6.2 mm	6.5 mm	3.1 mm	19.7 mm	3.7 mm	2,500	100	
	BF-M4	Blue	4.9 mm	8 mm	6.5 mm	4 mm	20.6 mm	4.3 mm	2,500	100	
	BF-M5	Blue	4.9 mm	8 mm	7.5 mm	4 mm	21.6 mm	5.3 mm	2,000	100	
	BF-M6	Blue	4.9 mm	9.4 mm	8.6 mm	4.7 mm	23.4 mm	6.4 mm	2,000	100	
	BF-M6/1	Blue	4.9 mm	12 mm	10.3 mm	6 mm	26.4 mm	6.4 mm	2,000	100	
	BF-M6/2	Blue	4.9 mm	8.4 mm	5.4 mm	4.2 mm	19.7 mm	6.4 mm	2,500	100	
	BF-M7	Blue	4.9 mm	10 mm	7.8 mm	5 mm	22.9 mm	7.2 mm	2,000	100	
	BF-M8	Blue	4.9 mm	12 mm	10.3 mm	6 mm	26.4 mm	8.4 mm	1,500	100	
	BF-M10	Blue	4.9 mm	15.5 mm	13 mm	7.7 mm	30.9 mm	10.5 mm	1,500	100	
	BF-M12	Blue	4.9 mm	18 mm	15.5 mm	9 mm	34.6 mm	13 mm	1,500	100	

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


	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	BF-M2	Blue	4.9 mm	5.6 mm	5 mm	2.8 mm	17.9 mm	2.2 mm	3,000	100	
	BF-M3	Blue	4.9 mm	5.6 mm	5 mm	2.8 mm	17.9 mm	3.2 mm	2,500	100	
	BF-M3.5	Blue	4.9 mm	5.6 mm	5 mm	2.8 mm	17.9 mm	3.7 mm	2,500	100	
	BF-M3.5/1	Blue	4.9 mm	6.2 mm	6.5 mm	3.1 mm	19.7 mm	3.7 mm	2,500	100	
	BF-M4	Blue	4.9 mm	8 mm	6.5 mm	4 mm	20.6 mm	4.3 mm	2,500	100	
	BF-M5	Blue	4.9 mm	8 mm	7.5 mm	4 mm	21.6 mm	5.3 mm	2,000	100	
	BF-M6	Blue	4.9 mm	9.4 mm	8.6 mm	4.7 mm	23.4 mm	6.4 mm	2,000	100	
	BF-M6/1	Blue	4.9 mm	12 mm	10.3 mm	6 mm	26.4 mm	6.4 mm	2,000	100	
	BF-M6/2	Blue	4.9 mm	8.4 mm	5.4 mm	4.2 mm	19.7 mm	6.4 mm	2,500	100	
	BF-M7	Blue	4.9 mm	10 mm	7.8 mm	5 mm	22.9 mm	7.2 mm	2,000	100	
	BF-M8	Blue	4.9 mm	12 mm	10.3 mm	6 mm	26.4 mm	8.4 mm	1,500	100	
	BF-M10	Blue	4.9 mm	15.5 mm	13 mm	7.7 mm	30.9 mm	10.5 mm	1,500	100	
	BF-M12	Blue	4.9 mm	18 mm	15.5 mm	9 mm	34.6 mm	13 mm	1,500	100	



PVC INSULATED CRIMP TERMINALS “F” RANGE FUNNEL ENTRY



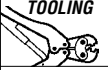





GENERAL INFORMATIONS












- The terminals are for use for internal wiring of equipment only.
- The terminals are for use with Cu wire.
- 600V max. building wiring, 1000V max. in sign and fixtures.
- The maximum operating temperature is 75°C.
- Manufactured from electrolytic copper strip, annealed to guarantee optimum ductility and electrolytically tin plated to avoid oxidation.
- The unique funnel shape of PVC sleeve, guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable electrical and mechanical connection.
- The internal surface of the barrel is rifled to improve contact with conductor strands when crimped and to increase tensile strength.

- The “F” range of terminals offers a wide selection of rings, forks, pins and blades, designed to meet the ever changing requirements of the end users.

INSTALLATION INSTRUCTIONS

- 1) Select the proper connector for the wire size used
- 2) Select the proper tool as indicated in the table below.
- 3) Strip the cable insulation, to expose a length of conductor as recommended in the table below, taking care not to damage or cut any of the strands.
- 4) Crimp the connector as indicated in the service and maintenance manual of the tool.

CATALOG NUMBER	TYPE	SLEEVE COLOR CODE	STUD SIZE	CONDUCTOR mm ² (AWG) 	CABLE STRIP LENGTH mm 	INSTALLATION TOOLING 
RF-M3		RED	M3	0.25 ÷ 1.5 (22 ÷ 16)	5 ÷ 6	HP4-R R21
RF-M3,5			M3,5			
RF-M3,5/1			M3,5			
RF-M4			M4			
RF-M5			M5			
RF-M6			M6			
RF-M6/1			M6			
RF-M7			M7			
RF-M8			M8			
RF-M10			M10			
RF-M12			M12			
RF-U3						
RF-U3,5	M3,5					
RF-U3,5/1	M3,5					
RF-U4	M4					
RF-U4/1	M4					
RF-U4/2	M4					
RF-U5	M5					
RF-U6	M6					
RF-U6/1	M6					
RF-U8	M8					
RF-U10	M10					
RF-U12	M12					
RF-P8						
RF-P10						
RF-P12						
RF-PP12						
RF-PP12/1						
RF-PP12/19						
RF-PP12/23						
RF-PP14						
RF-PP16/23						
PL03-M*					7 ÷ 8	

CATALOG NUMBER	TYPE	SLEEVE COLOR CODE	STUD SIZE	CONDUCTOR mm ² (AWG) 	CABLE STRIP LENGTH mm 	INSTALLATION TOOLING 	
BF-M3		BLUE	M3	1.5 ÷ 2.5 (16 ÷ 14)	5 ÷ 6	HP4-B R22	
BF-M3,5			M3,5				
BF-M3,5/1			M3,5				
BF-M4			M4				
BF-M5			M5				
BF-M6			M6				
BF-M6/1			M6				
BF-M7			M7				
BF-M8			M8				
BF-M10			M10				
BF-M12	M12						
BF-U3			M3				
BF-U3,5			M3,5				
BF-U4			M4				
BF-U4/1			M4				
BF-U4/2			M4				
BF-U5			M5				
BF-U6			M6				
BF-U6/1			M6				
BF-U8			M6				
BF-U10		M10					
BF-U12	M12						
BF-P8		YELLOW	M3,5	4 ÷ 6 (12 ÷ 10)	8 ÷ 9	HP4-G R23	
BF-P10							M4
BF-P12							M5
BF-PP12							M6
BF-PP12/25	M6						
BF-PP16/25	M8						
PL06-M*							M10
							M12
GF-M3,5							M3,5
GF-M4							M4
GF-M5		M5					
GF-M6		M6					
GF-M6/1		M6					
GF-M7		M7					
GF-M8		M8					
GF-M10		M10					
GF-M10/1		M10					
GF-M12		M12					
GF-M14	M14						
GF-M16	M16						
GF-U3,5		M3,5					
GF-U4		M4					
GF-U5		M5					
GF-U6		M6					
GF-U8		M8					
GF-U10		M10					
GF-U10/1		M10					
GF-U12		M12					
GF-U14		M14					
GF-U16		M16					
GF-P10		M4					
GF-P12		M5					
GF-P14		M6					
GF-PP12		M6					
GF-PP17		M8					
		M10					
PL1-M*		M12					
		M14					
		M16					
					9 ÷ 10		

* not funnel entry