


**CLIFFCON68 IS AN IP68 RATED MULTIPIN CONNECTOR FOR WATERPROOF AND RUGGED APPLICATIONS.**


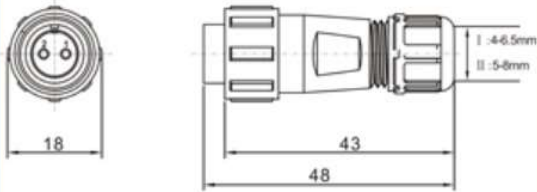
### FEATURES

- Panel hole cut-out size: 13mm
- IP68 for under water, outdoor and indoor when mated or with optional cap fitted
- CE & ROHS approval
- 2 to 9 gold-plated contacts (no 8 pin version)
- Sealing cap available for socket. Sold separately.

### SPECIFICATION

Coupling Type	Threaded coupling
IP Rating	IP68
Material	Plastic Shell Nylon66, fire resistance: V-0
Insert material	PPS max temperature 26°C, fire resistance: V-0
Contact material	Brass with gold plating
Termination	Solder
Cable OD	5-8mm
Mating cycle	> 500
Temperature range	-25 ~ +85°C
Insulation resistance	2000MΩ

Picture	Description	Drawing
	Front Mount Male	

Picture	Description	Drawing
	Cable Connector Female	

### Cliff Electronic Components, Ltd.

76 Holmethorpe Avenue, Holmethorpe Ind. Est.

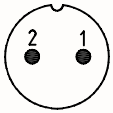

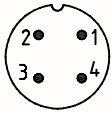
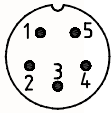
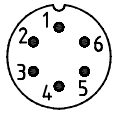
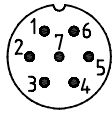
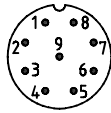
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Contact arrangement and spec for solder termination.

Number of Contacts	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13A	13A	5A	5A	5A	5A	3A
Contact diameter	Ø1.6 x 2	Ø1.6 x 3	Ø1 x 4	Ø1 x 5	Ø1 x 6	Ø1 x 7	Ø0.7 x 9
Rated voltage (AC, V)	250V	250V	200V	180V	125V	125V	125V
Test voltage (AC, V) 1 min	1500V	1500V	1500V	1000V	1000V	1000V	1000V
Contact resistance mΩ	2	2	5	5	5	5	10
Wire size mm <sup>2</sup> / AWG	≤2 / 14	≤2 / 14	≤0.785 / 18	≤0.785 / 18	≤0.785 / 18	≤0.785 / 18	≤0.785 / 18

PART No.	DESCRIPTION	No PINS	CABLE OD
FM686802	CLIFFCON68 MALE PANEL SOCKET 2 PIN	2	N/A
FM686803	CLIFFCON68 MALE PANEL SOCKET 3 PIN	3	N/A
FM686804	CLIFFCON68 MALE PANEL SOCKET 4 PIN	4	N/A
FM686805	CLIFFCON68 MALE PANEL SOCKET 5 PIN	5	N/A
FM686806	CLIFFCON68 MALE PANEL SOCKET 6 PIN	6	N/A
FM686807	CLIFFCON68 MALE PANEL SOCKET 7 PIN	7	N/A
FM686809	CLIFFCON68 MALE PANEL SOCKET 9 PIN	9	N/A

PART No.	DESCRIPTION	No PINS	CABLE OD
FM686832	CLIFFCON68 FEMALE PANEL SOCKET 2 PIN	2	N/A
FM686822	CLIFFCON68 MALE OVERMOULD 2 PIN 5M	2	4.5mm

PART No.	DESCRIPTION	No PINS	CABLE OD
FM686812	CLIFFCON68 FEMALE PLUG 2 PIN	2	5-8mm
FM686813	CLIFFCON68 FEMALE PLUG 3 PIN	3	5-8mm
FM686814	CLIFFCON68 FEMALE PLUG 4 PIN	4	5-8mm
FM686815	CLIFFCON68 FEMALE PLUG 5 PIN	5	5-8mm
FM686816	CLIFFCON68 FEMALE PLUG 6 PIN	6	5-8mm
FM686817	CLIFFCON68 FEMALE PLUG 7 PIN	7	5-8mm
FM686819	CLIFFCON68 FEMALE PLUG 9 PIN	9	5-8mm

PART No.	DESCRIPTION	No PINS	CABLE OD
FM686800	CLIFFCON68 SOCKET CAP	N/A	N/A

PART No.	DESCRIPTION	No PINS	CABLE OD
FM686842	CLIFFCON68 MALE INLINE PLUG	2	5-8mm
FM686843	CLIFFCON68 MALE INLINE PLUG	3	5-8mm
FM686844	CLIFFCON68 MALE INLINE PLUG	4	5-8mm
FM686845	CLIFFCON68 MALE INLINE PLUG	5	5-8mm
FM686846	CLIFFCON68 MALE INLINE PLUG	6	5-8mm
FM686847	CLIFFCON68 MALE INLINE PLUG	7	5-8mm
FM686849	CLIFFCON68 MALE INLINE PLUG	9	5-8mm



Male Inline Plug

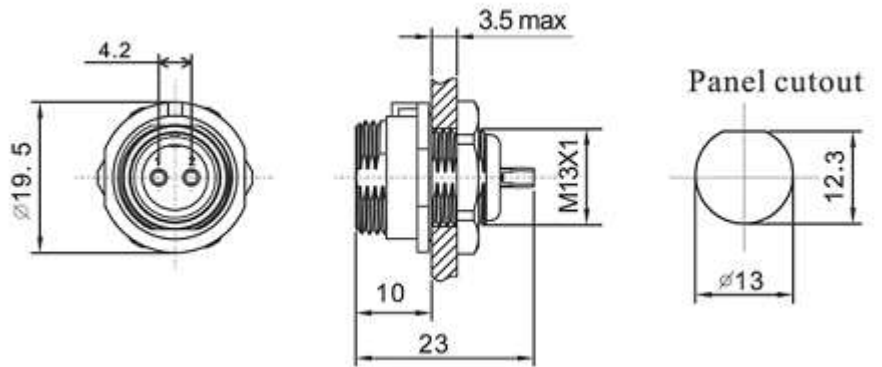


Socket with cap fitted

## 2 Pin Female Panel Socket



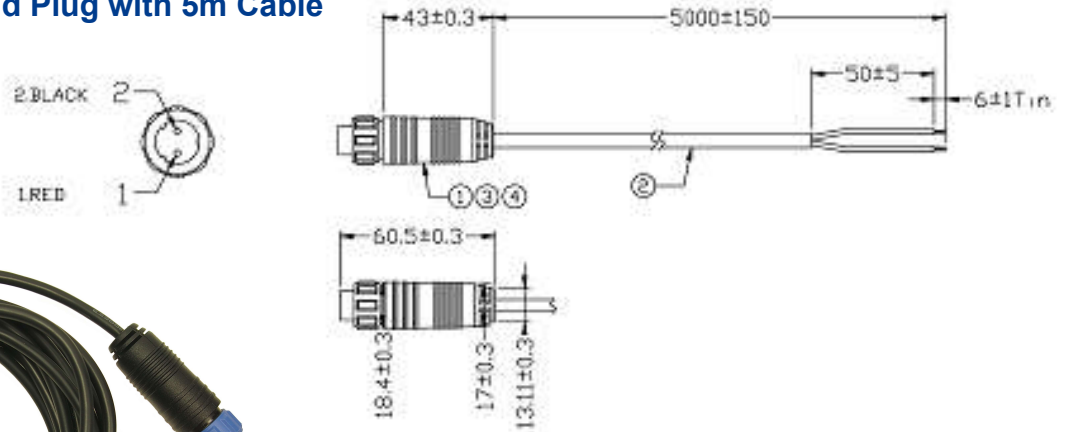
Part No: **FM686832**



## 2 Pin Male Overmould Plug with 5m Cable



Part No: **FM686822**



Cable Spec  
Unshielded UL2464 #20\*2C  
(26/0.16BC\*1.46\*2C) O/D Ø4.5mm