

CLIFF

CLIFFCON[®] 68


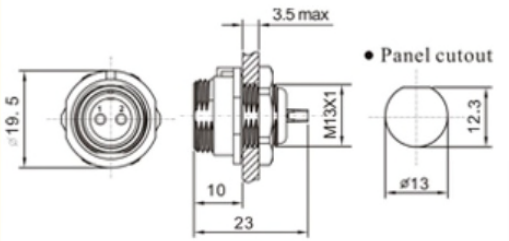
CLIFFCON68 IS AN IP68 RATED MULTIPIN CONNECTOR FOR WATERPROOF AND RUGGED APPLICATIONS.


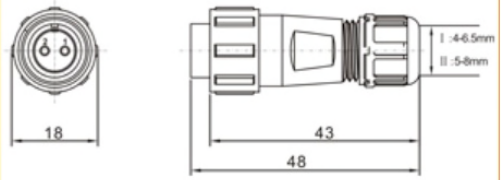
FEATURES

- 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 260°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.
Redhill, Surrey RH1 2PF. England
Tel: +44 (0) 1737 771375
Fax: +44 (0) 1737 766012
Email: sales@cliffuk.co.uk



Visit us online at:

www.cliffuk.co.uk

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 ² / 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 |



Socket with cap fitted.



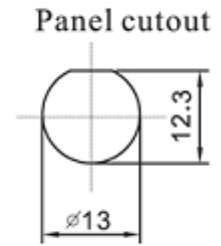
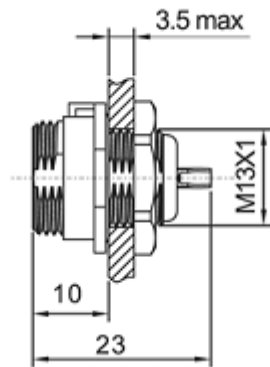
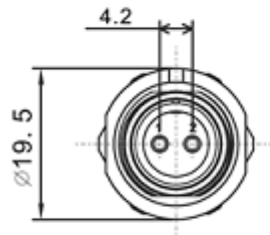
Male Inline Plug
2 Pin and 3 Pin currently available.
Other models on request.

2 Pin Female Panel Socket

NEW



Part No: **FM686832**

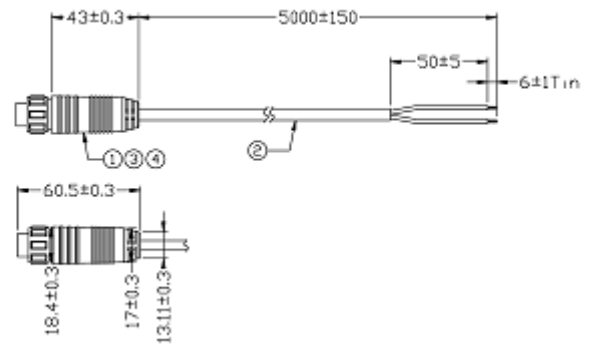
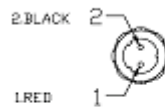


2 Pin Male Overmould Plug with 5m Cable

NEW



Part No: **FM686822**



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