

# F15 Silicone Injection-moulded Connector IP68



## Recommended for

1. Wet environments.
2. High-low temperature or intense humidity and UV.
3. Customized lengths.
4. Harsh working conditions or unexpected excessively external force during construction.



## Feature

Precision milling and special glue Silicone liquid injection-moulded workmanship enable an almost consistent size between connectors and light body, and the transparent terminal of the connector allows the seamless effects spliced end by end.

DryWire™ technology applied on the cable eliminates the capillary phenomenon through wires, which secured the long-term reliability in outdoor or any wet environments.

Light lengths can be customized on the basis of projects and pre-installation before the delivery eases the assembly trouble on site.

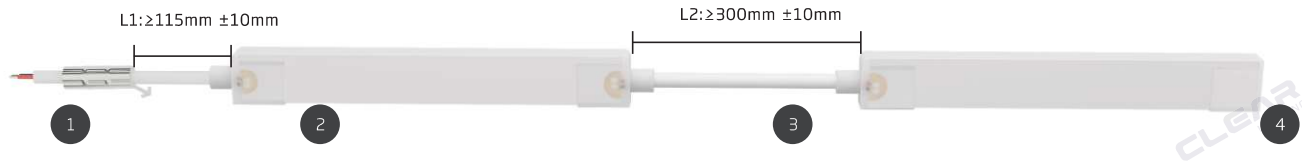
## In-house Test










Test Object	No.	Experiment Item	Standard
Metal Parts	1	Weather Resistance-Salt Spray	IEC 68-2-11
Waterproof	1	Waterproof-IPX5 / IPX7 / IPX8	CLEAR-defined®
Connector	2	Swing-extreme	CLEAR-defined®

®Before waterproof test, high-low temperature cycling shock test has been implemented to simulate the outdoor harsh weather, and it's a more stringent standard we're compliant with than third party's.



# Connector Type



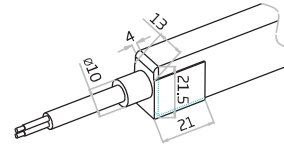
1	2	3	4
<p data-bbox="251 493 440 541">Male &amp; Female Connector (Optional)</p> <div data-bbox="224 632 407 821">  <p data-bbox="248 833 362 854">Male Connector</p> </div> <div data-bbox="224 978 407 1167">  <p data-bbox="248 1180 378 1201">Female Connector</p> </div>	<p data-bbox="586 493 781 541">Silicone Injection-moulded Front Connector</p> <div data-bbox="557 632 740 821">  <p data-bbox="621 833 654 854">End</p> </div> <div data-bbox="557 978 740 1167">  <p data-bbox="634 1180 683 1201">Side-L</p> </div> <div data-bbox="557 1318 740 1507">  <p data-bbox="634 1520 683 1541">Side-R</p> </div> <div data-bbox="557 1665 740 1854">  <p data-bbox="621 1866 683 1887">Bottom</p> </div>	<p data-bbox="917 493 1112 541">Silicone Injection-moulded Middle Connector</p> <div data-bbox="888 632 1071 821">  <p data-bbox="878 840 1122 905">Silicone Injection-moulded Jumper Maximum 8 jumpers in 20m light Maximum 4 jumpers in 10m light</p> </div> <div data-bbox="888 978 1071 1167">  <p data-bbox="878 1184 1117 1249">Silicone Injection-moulded T-feed Maximum 8 T-feeds in 20m light Maximum 4 T-feeds in 10m light</p> </div>	<p data-bbox="1252 493 1446 541">Silicone Injection-moulded End Cap</p> <div data-bbox="1222 632 1406 821">  <p data-bbox="1287 833 1349 854">End cap</p> </div>

# Dimension: mm

## Silicone Injection-moulded Front Connector-End



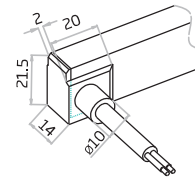
F15B/F15D/F15A/F15E/F15S-HB-SIM/FC-01/02-E



## Silicone Injection-moulded Front Connector-Side



F15B/F15D/F15A/F15E/F15S-HB-SIM/FC-02-SL

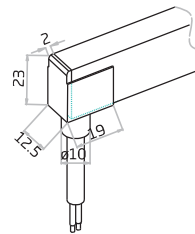


F15B/F15D/F15A/F15E/F15S-HB-SIM/FC-01-SR

## Silicone Injection-moulded Front Connector-Bottom



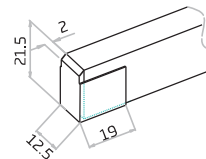
F15B/F15D/F15A/F15E/F15S-HB-SIM/FC-01/02-B



## Silicone Injection-moulded End Cap



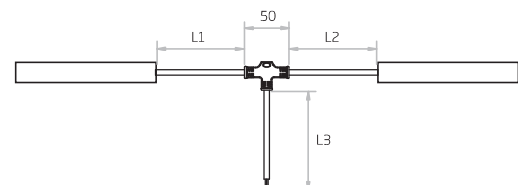
F15-SIM/EC



## Silicone Injection-moulded Middle Connector & Power T-feed



F15B/F15D/F15S-HB-SIM/MC-PTF  
L1 and L2 available in 300mm.  
L3 available in 300mm/1000mm/3000mm.



### Note:

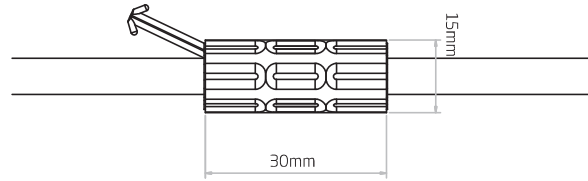
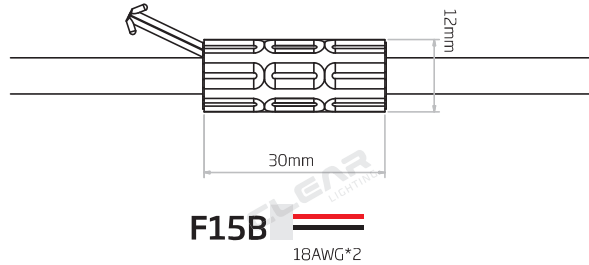
1. Unless otherwise stated, the tolerance of the connector is  $\pm 0.5$ mm;
2. To avoid damage from the excessive force on cable joint, please keep at least 60mm of cable ahead in the natural state.

# Anti-wicking Ferrule



The anti-wicking ferrule is designed to lower the risk of water ingress from the cable in case of inadequate waterproof treatment on site.

For underwater application, do not immerse anti-wicking ferrule in the water.

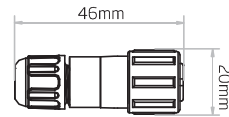


- Note:
1. Unless otherwise stated, the tolerance is  $\pm 0.5\text{mm}$ .
  2. The removal of anti-wicking ferrule will void the warranty if any water ingress caused by it.

# Male & Female Connector

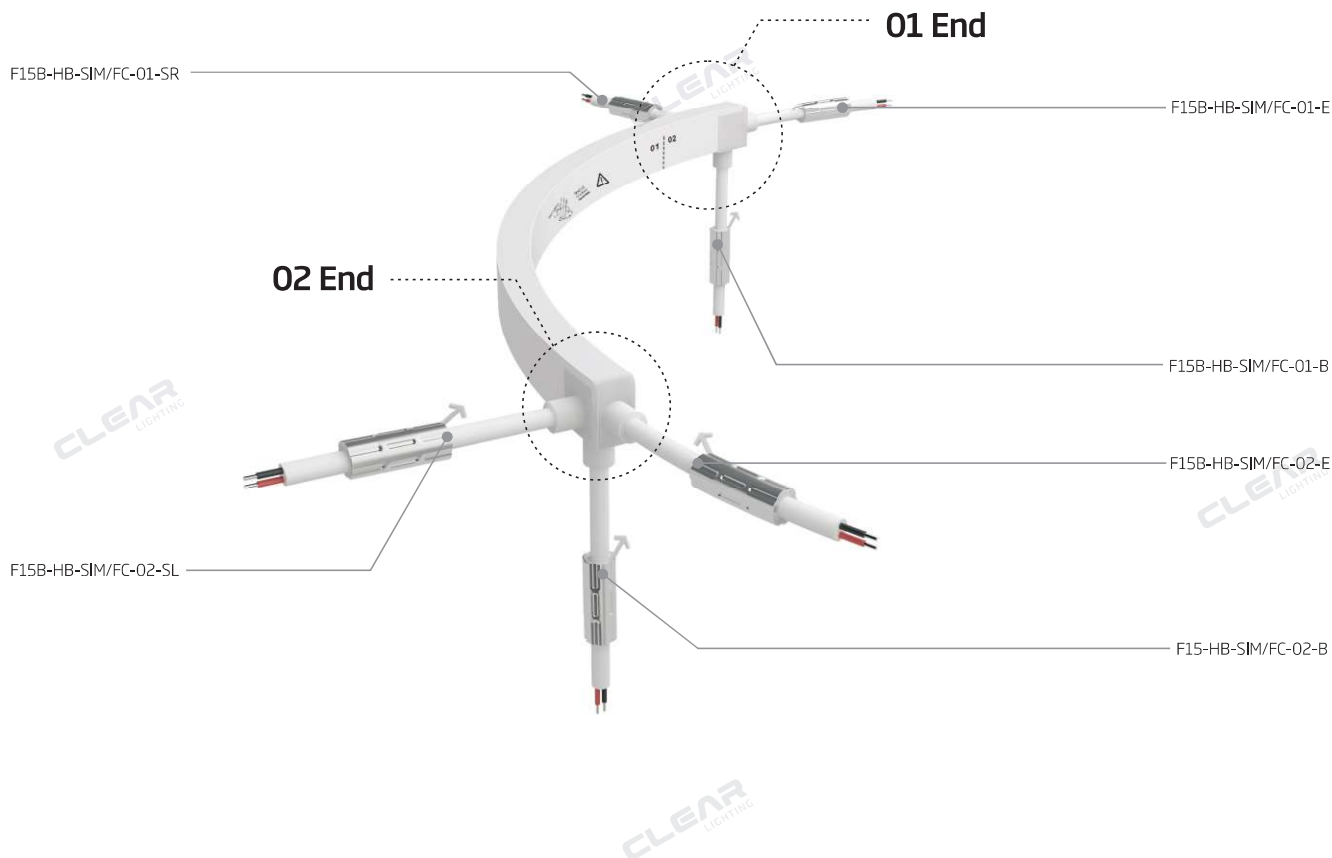


For plug and play cable junction, IP67



Note:  
Unless otherwise stated, the tolerance is  $\pm 2\text{mm}$ .

F15B	SIM/FC	01	B	300mm
F15B-HB F15D-HB F15A-HB F15E-HB F15S-HB	SIM=Silicone Injection-moulded FC=Front Connector MC-PTF=Middle Connector & Power T-feed JU=Jumper EC=End Cap	01=01 End 02=02 End	E=End Feed B=Bottom Feed S=Side Feed SL=Side Feed from Left SR=Side Feed from Right	300MM Cable 1000MM Cable 3000MM Cable 5000MM Cable 10000MM Cable 15000MM Cable 20000MM Cable



## C-FR-F15B/D/A/E/S-HB

Item Code(B)	Item Code(D)	Item Code(A)	Item Code(E)	Item Code(S)
F15B-HB-SIM/FC-01-E-300mm	F15D-HB-SIM/FC-01-E-300mm	F15A-HB-SIM/FC-01-E-300mm	F15E-HB-SIM/FC-01-E-300mm	F15S-HB-SIM/FC-01-E-300mm
F15B-HB-SIM/FC-02-E-300mm	F15D-HB-SIM/FC-02-E-300mm	F15A-HB-SIM/FC-02-E-300mm	F15E-HB-SIM/FC-02-E-300mm	F15S-HB-SIM/FC-02-E-300mm
F15B-HB-SIM/FC-01-B-300mm	F15D-HB-SIM/FC-01-B-300mm	F15A-HB-SIM/FC-01-B-300mm	F15E-HB-SIM/FC-01-B-300mm	F15S-HB-SIM/FC-01-B-300mm
F15B-HB-SIM/FC-02-B-300mm	F15D-HB-SIM/FC-02-B-300mm	F15A-HB-SIM/FC-02-B-300mm	F15E-HB-SIM/FC-02-B-300mm	F15S-HB-SIM/FC-02-B-300mm
F15B-HB-SIM/FC-01-SR-300mm	F15D-HB-SIM/FC-01-SR-300mm	F15A-HB-SIM/FC-01-SR-300mm	F15E-HB-SIM/FC-01-SR-300mm	F15S-HB-SIM/FC-01-SR-300mm
F15B-HB-SIM/FC-02-SL-300mm	F15D-HB-SIM/FC-02-SL-300mm	F15A-HB-SIM/FC-02-SL-300mm	F15E-HB-SIM/FC-02-SL-300mm	F15S-HB-SIM/FC-02-SL-300mm
F15B-HB-SIM/MC-PTF-300mm	F15D-HB-SIM/MC-PTF-300mm	F15A-HB-SIM/MC-PTF-300mm	F15E-HB-SIM/MC-PTF-300mm	F15S-HB-SIM/MC-PTF-300mm
F15B-HB-SIM/JU-300mm	F15D-HB-SIM/JU-300mm	F15A-HB-SIM/JU-300mm	F15E-HB-SIM/JU-300mm	F15S-HB-SIM/JU-300mm
F15-SIM/EC	F15-SIM/EC	F15-SIM/EC	F15-SIM/EC	F15-SIM/EC
Max. Cable Length				
Page F15 037~040	Page F15 081~082	Page F15 093~094	Page F15 105~106	Page F15 115~116

**Note:**

1. Please ensure the cable length is not more than the "Max. Cable Length" in the page mentioned above according to light length and its wire gauge to minimize voltage drop.
2. All the nominal cable lengths are measured before processing, so the delivered (visible) ones would be a little shorter. Please contact us before ordering if any strict requirement on them.
3. The tolerance range of cable length enlarges as the cable becomes longer, maximum up to ±50mm.