

# Cable Accessories for Microinverter of HM/MI Series



### AC Connector - F

Can be connected with the AC Connector - M of the microinverter. Used for making AC end cable or AC extension cable.



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Can be connected with the AC Connector - F of the microinverter. Used for making AC end cable or AC extension cable.



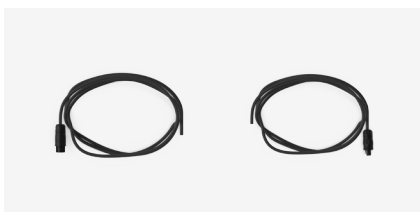
### AC Connector Cap - F

Used to protect vacant AC Connector - F.



### AC Connector Cap - M

Used to protect vacant AC Connector - M.



### AC End Cable-M/F

Consist of an AC Connector - M or F and a cable, to connect the microinverter branch to the distribution box.



### AC Extension Cable

Consist of an AC Connector-M, an AC Connector-F and an AC cable, to connect the microinverters when the distance between the microinverters exceeds the original cable length.



### DC Extension Cable

Connect the microinverter and the PV module when the distance between the two exceeds the original cable length.

# Technical Specifications

Model	AC connector - F	AC connector - M
<b>Main Parameter</b>		
Pin number	2P+PE	
Rated current	25 A	
Rated voltage	250 V AC (TUV), 250/350 V AC (CSA)	
Contact resistance	≤1 mΩ	
Power frequency withstand voltage	4000 V AC	
Over voltage category	III	
<b>Connection Parameter</b>		
Applicable cable specification	14/12 AWG	
Applicable cable outer diameter	10 mm to 13 mm	
Locking system	Bayonet	
Connector gender	Female	Male
Wiring connection	Screw type	
<b>Mechanical Data</b>		
Ambient temperature range	-40°C to +85°C	
Dimensions (L × W × H mm)	85.5 × 35 × 35	
Protection rating	IP68	
Flame resistance degree	UL 94-V0	
<b>Compliance</b>		
Product standard	EN61535:2012 PPP 59015A:2013 UL 6703A	
RoHS compliant	Yes	

Model	AC End Cable-M/F	AC Extension Cable
<b>Cable</b>		
Cable type	12 AWG	
Rated voltage	600 V	
Cable length	2/5 m	2/3 m
Ambient temperature range	-40°C to +90°C	
Product standard	UL 44, UL 1277, UL 1581	
<b>AC Connector</b>		
Type	AC connector - M/F	AC connector - M and F

Model	DC Extension Cable	
<b>Cable</b>		
Cable type	PV1-F 1X4	
Rated current	20 A	
Rated voltage	Max.1800 V DC	
Cable length	1 m	
Ambient temperature range	-40°C to +90°C	
Product standard	2 PFG 1169/08.2007	
<b>DC Connector</b>		
Manufacturer	Betteri	Staubli
Type	BC03A, BC03B	PV-KBT4/6II-UR
Rated current	30 A	39 A (TUV), 30 A (UL)
Rated voltage	1000 V DC (TUV), 600/1000 V DC (CSA)	1000 V DC (TUV), 1500 V DC (UL)
Rated impulse withstand voltage	6000 V	12000 V
Over voltage category	III	
Ambient temperature range	-40°C to +85°C	-40°C to +85°C (TUV), -40°C to +75°C (UL)
Protection rating	IP67	IP68
Flame resistance degree	UL 94-V0	
Product standard	EN 62852:2014 UL 6703	EN 62852 UL 6703 2PFG2330 CNCA/CTS0002-2012
RoHS compliant	Yes	

## Ordering Information

### AC (Daisy Chain) Accessories

Type	Model	Description
AC Connector – F	BC01-3F22-15	1 AC Female Connector
AC Connector Cap – F	3PNEPC37	1 AC Female Connector End Cap
AC Connector – M	BC01-3M22-15	1 AC Male Connector
AC Connector Cap – M	3PPEPC26	1 AC Male Connector End Cap
AC End Cable-F	AC_End_Cable-F-2m	1 AC Female Connector and 1 AC Cable (Cable Length 2m, 12AWG)
	AC_End_Cable-F-5m	1 AC Female Connector and 1 AC Cable (Cable Length 5m, 12AWG)
AC End Cable-M	AC_End_Cable-M-2m	1 AC Male Connector and 1 AC Cable (Cable Length 2m, 12AWG)
AC Extension Cable	AC_Ext_Cable-2m	1 AC Female Connector, 1 AC Cable (Cable Length 2m, 12AWG) and 1 AC Male Connector
	AC_Ext_Cable-3m	1 AC Female Connector, 1 AC Cable (Cable Length 3m, 12AWG) and 1 AC Male Connector

### DC Accessories

Type	Model	Description
DC Connector-F	BC03A-F-C24	1 DC Female Connector (Betteri)
DC Connector-M	BC03A-M-C24	1 DC Male Connector (Betteri)
DC Connector Unlock Tool	MC4_Con_Unlock	1 DC Connector Disconnect Tool
DC Extension Cable	DC_Ext_Cable-1m	1 DC Male Connector (Betteri), 1 DC Cable (Cable Length 1m, 12AWG) and 1 DC Female Connector (Betteri)
	Stau_DC_Ext_Cable-1m	1 DC Male Connector (Staubli), 1 DC Cable (Cable Length 1m, 12AWG) and 1 DC Female Connector (Staubli)