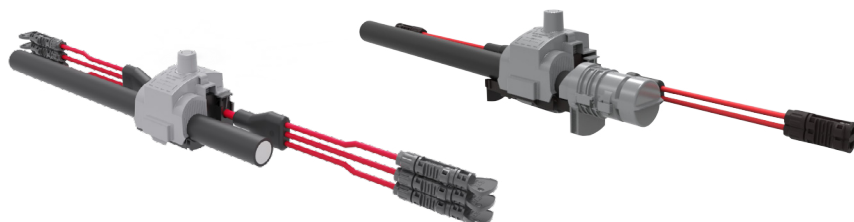


SOLAR IPC ASSEMBLIES SIPC 1000

INSULATION PIERCING CONNECTORS WITH PRE-ASSEMBLED MULTI-TAP



SIPC 1000
Multi-tap

SIPC 1000 ES
Multi-tap

ROBUST DESIGN FOR SOLAR EBOS APPLICATIONS WITH SIMPLER, SAFER INSTALLATION AND RELIABLE CONNECTIONS

KEY FEATURES

- Accommodate the full range of trunk bus sizes with a single SIPC, from 500 to 1000 kcmil
- The multi-tap feature allows more strings per connection, optimizing EBOS architecture
- Real-time flexibility allows on-site adjustments during construction, keeping the project on schedule
- End-seal caps for dead-end applications are integrated directly into the main SIPC assemblies
- Ease of Installation: A factory-integrated multi-tap harness minimizes the need for field-installed components, improving overall reliability

TE Connectivity (TE) Solar IPC Assemblies SIPC offer protection, insulation, and high-quality sealing for fast, easy, and safer installation of PV cables from **#10 AWG to 1000 kcmil**.

The factory-assembled dual or multi-tap jumpers provide accurate tap cable alignment, allowing for a simple and safer installation process in the field. **No craft labor is required to install the connector.**

Designed to accommodate a trunk bus range of **500-1000 kcmil** to allow larger array groups with fewer disconnects, resulting in significant savings due to lower material and labor costs.

Our Solar IPC assemblies are built from the ground up using field-proven, highly engineered materials and components known for their reliability. They are designed to withstand the harshest conditions on utility-scale solar projects. They provide a maintenance-free and worry-free connection throughout the system's lifespan.

Our SIPC assemblies integrate TE SOLARLOK Safe Locks, which are UV resistant, IP68/IP69-rated, and reusable. These connectors are pre-installed on all integrated tap cables to prevent unsafe connections before energization.

APPLICATIONS

- Utility-Scale Solar Projects

RELEVANT STANDARDS AND TESTING

- UL/cUL 9703
- UL/cUL 486A/B

SIPC 1000 - 2 TAPS

MID-SPAN		DEAD-END		TAP CABLE		
Part Number	Part Description	Part Number	Part Description	Cable Size	Cable Color	Connector Type
2466276-3	SIPC 1000 - SHDA2AAMTPR	1-2466276-3	SIPC 1000 ES - SHDA2AAMTPR	10 AWG	Red	Male
2466276-2	SIPC 1000 - SHDA2AAFTNB	1-2466276-2	SIPC 1000 ES - SHDA2AAFTNB		Black	Female
2466276-1	SIPC 1000 - SHDA2AAMTPB	1-2466276-1	SIPC 1000 ES - SHDA2AAMTPB		Black	Male
2466276-4	SIPC 1000 - SHDA2AAFTNW	1-2466276-4	SIPC 1000 ES - SHDA2AAFTNW		White	Female
2461454-6	SIPC 1000 - SHDA2BBMSPR	1- 2461454-6	SIPC 1000 ES - SHDA2BBMSPR	8 AWG	Red	Male
2461454-5	SIPC 1000 - SHDA2BBFSNB	1-2461454-5	SIPC 1000 ES - SHDA2BBFSNB		Black	Female
2461454-4	SIPC 1000 - SHDA2BBMSPB	1- 2461454-4	SIPC 1000 ES - SHDA2BBMSPB		Black	Male
2461454-7	SIPC 1000 - SHDA2BBFSNW	1-2461454-7	SIPC 1000 ES - SHDA2BBFSNW		White	Female
2468075-3	SIPC 1000 - SHDA2CCMSPR	1-2468075-3	SIPC 1000 ES - SHDA2CCMSPR	6 AWG	Red	Male
2468075-2	SIPC 1000 - SHDA2CCFSNB	1-2468075-2	SIPC 1000 ES - SHDA2CCFSNB		Black	Female
2468075-1	SIPC 1000 - SHDA2CCMSPB	1-2468075-1	SIPC 1000 ES - SHDA2CCMSPB		Black	Male
2468075-4	SIPC 1000 - SHDA2CCFSNW	1-2468075-4	SIPC 1000 ES - SHDA2CCFSNW		White	Female

SIPC 1000 - 4 TAPS

MID-SPAN		DEAD-END		TAP CABLE		
Part Number	Part Description	Part Number	Part Description	Cable Size	Cable Color	Connector Type
2470351-1	SIPC 1000-SHMA4CAMTPR	1-2470351-1	SIPC 1000 ES-SHMA4CAMTPR	10 AWG	Red	Male
2468495-1	SIPC 1000-SHMA4CAFTNB	1-2468495-1	SIPC 1000 ES-SHMA4CAFTNB		Black	Female
2468408-1	SIPC 1000-SHMA4CAMTPB	1-2468408-1	SIPC 1000 ES-SHMA4CAMTPB		Black	Male
2470372-1	SIPC 1000-SHMA4CAFTNW	1-2470372-1	SIPC 1000 ES-SHMA4CAFTNW		White	Female
2472928-1	SIPC 1000-SHMA4EBMSPR	1-2472928-1	SIPC 1000 ES-SHMA4EBMSPR	8 AWG	Red	Male
2468493-1	SIPC 1000 - SHMA4EBFSNB	1-2468493-1	SIPC 1000 ES - SHMA4EBFSNB		Black	Female
2468486-1	SIPC 1000-SHMA4EBMSPB	1-2468486-1	SIPC 1000 ES-SHMA4EBMSPB		Black	Male
2472931-1	SIPC 1000 - SHMA4EBFSNW	1-2472931-1	SIPC 1000 ES - SHMA4EBFSNW		White	Female
2472933-1	SIPC 1000-SHMA4ECMSPR	1-2472933-1	SIPC 1000 ES-SHMA4ECMSPR	6 AWG	Red	Male
2468489-1	SIPC 1000 - SHMA4ECFSNB	1-2468489-1	SIPC 1000 ES - SHMA4ECFSNB		Black	Female
2468485-1	SIPC 1000-SHMA4ECMSPB	1-2468485-1	SIPC 1000 ES-SHMA4ECMSPB		Black	Male
2472935-1	SIPC 1000 - SHMA4ECFSNW	1-2472935-1	SIPC 1000 ES - SHMA4ECFSNW		White	Female

SIPC 1000 - 6 TAPS

MID-SPAN		DEAD-END		TAP CABLE		
Part Number	Part Description	Part Number	Part Description	Cable Size	Cable Color	Connector Type
2472938-1	SIPC 1000-SHMA6DAMTPR	1-2472938-1	SIPC 1000 ES-SHMA6DAMTPR	10 AWG	Red	Male
2468490-1	SIPC 1000 -SHMA6DAFTNB	1-2468490-1	SIPC 1000 ES -SHMA6DAFTNB		Black	Female
2468488-1	SIPC 1000-SHMA6DAMSPB	1-2468488-1	SIPC 1000 ES-SHMA6DAMSPB		Black	Male
2472939-1	SIPC 1000-SHMA6DAMTNW	1-2472939-1	SIPC 1000 ES-SHMA6DAMTNW		White	Female
2472936-1	SIPC 1000 -SHMA6FBMSPR	1-2472936-1	SIPC 1000 ES -SHMA6FBMSPR	8 AWG	Red	Male
2468494-1	SIPC 1000 -SHMA6FBFSNB	1-2468494-1	SIPC 1000 ES -SHMA6FBFSNB		Black	Female
2468487-1	SIPC 1000-SHMA6FBMSPB	1-2468487-1	SIPC 1000 ES-SHMA6FBMSPB		Black	Male
2472937-1	SIPC 1000 -SHMA6FBMSNW	1-2472937-1	SIPC 1000 ES -SHMA6FBMSNW		White	Female

PRODUCT SELECTION GUIDE

SIPC Model		Harness Prefix		Number of Taps	Center Tap Cable Size	Tap PV Cable Size	Connector Type	Connector Brand	Polarity	Tap Cable Color
SIPC 1000	Blank = Mid Span ES = Dead End	SH: Solar Harness	DA = DUAL TAP	2	A = 10 AWG	A = 10 AWG	F = FEMALE M = MALE	T = TE S = STAUBLI	P = Positive N = Negative	B = Black R = Red W = White
					B = 8 AWG	B = 8 AWG				
			MA = MULTITAP	4	C = 6 AWG	A = 10 AWG				
					E = 2 AWG	B = 8 AWG				
				6	D = 4 AWG	A = 10 AWG				
					F = 1/0	B = 8 AWG				

DESIGN DATA

Parameters	Trunk Ratings	Tap Ratings
Maximum Current at 55°C (131°F) ambient	414 A for AI stranded 500 kcmil	Cu stranded 10 AWG 30 A each
		Cu stranded 8 AWG 55 A each
		Cu stranded 6 AWG 65 A each
	642 A for AI Stranded 1000 kcmil	Cu stranded 4 AWG 90 A per side
		Cu stranded 2 AWG 130 A per side
		Cu stranded 1/0 AWG 165 A per side
Cable Type	Use cable suitable for photovoltaic systems compliant with ZKLA requirements (2 kV PV wire)	
Operating Ambient Temperature	-40°C (-40°F) to 55°C (131°F)	
Connector Installation Temperature	0°C (32°F) to 55°C (131°F)	
Voltage Rating	1500 V DC	

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