

# Module Interconnects



SW MIC Cable Assemblies

## SunWize®

### Module Interconnects – Cable Assemblies (MIC)

Module interconnect cables are used to wire modules to adjacent modules. Two conductor cables with #10AWG, red/black insulated, THHN stranded copper wires, can be used for series or parallel connection of 12, 24 and 48 VDC systems. Designed for easy installation to all junction boxes, these cables (rated 90°C, 600 volt) feature sunlight-resistant, PVC jacketed cable with two liquid-tight cord connectors for 1/2" NPT openings. The cable jacketing is removed 3" from each end, exposing un-terminated wires. All PV modules (listed below) are designed to accept bare wire termination. The Shell SP140/150, Sanyo 167 come with MC cables which can be removed for parallel connection with MIC cables.

AWG-Conductors x Length	For PV module(s)	MSRP
MIC #10-2 x 21"	US32	\$11.25
MIC #10-2 x 23"	OEM20/40	\$11.50
MIC #10-2 x 29"	SP70/75	\$11.75
MIC #10-2 x 33"	SM110, AP50,110/120, SW85/90/100/115/120	\$12.25
MIC #10-2 x 35"	US42, US64	\$12.50
MIC #10-2 x 39"	SP140/150/Sanyo167/APx130/140	\$12.75



SunWize LT Conduit Assemblies

### Module Interconnects – Liquid Tight Conduit Assemblies (LT)

Liquid-tight conduit assemblies provide supplemental protection for individual wiring conductors between adjacent PV modules. In high-voltage installations, they may be required to satisfy the NEC. Standard assemblies include two #10AWG THHN conductors (rated 90°C, 600 volt), red/black, contained within 1/2" flexible non-metallic conduit with gray PVC straight fittings and locknuts. The Shell SP140/150, Sanyo 167 come with MC cables which can be removed for parallel connection with LT conduit assemblies.

AWG-Conductors x Length	For PV module(s)	MSRP
MIC-LT #10-2 x 21"	US32	\$17.25
MIC-LT #10-2 x 23"	OEM20/40	\$17.50
MIC-LT #10-2 x 28"	SP70/75	\$17.75
MIC-LT #10-2 x 33"	SM110, AP50,110/120, SW85/90/100/115/120	\$18.25
MIC-LT #10-2 x 35"	US42, US64	\$18.75
MIC-LT #10-2 x 39"	SP140/150/Sanyo167/APx130/140	\$19.00



SW MC Cable Assemblies

### Module Interconnects – MC® Cable Assemblies (Multi-Contact cables)

SunWize MC cables are assembled with automatic tooling for the highest degree of reliability. Used as module interconnects or output leads, SunWize UL listed MC cables are available with male or female fittings on one end (specify M or F). Each cable includes MC connector, 1/2" non-metallic cord connector with a #10AWG type 'USE' 600 V rated outdoor black wire. Can be installed on conventional solar module junction box for 'plug n play' interconnection or added to solar modules with existing MC connectors for extended distances.

Model	Male or Female	Length	MSRP
MC#10 - 24	M or F	24"	\$12.25
MC#10 - 36	M or F	36"	\$13.25
MC#10 - 48	M or F	48"	\$13.75
MC#10 - 72	M or F	72"	\$15.75
MC#10 - 120	M or F	120"	\$18.25
MC#10 - 240	M or F	240"	\$24.25
MC#10 - 360	M or F	360"	\$29.25

# Module Output Cables

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### Module Output Cables

Module Output Cables are used for connection from the solar array to the controller or PV combiner assemblies. Cables are sunlight-resistant, PVC tray cable and direct burial with red/black THHN conductors (rated 90° C, 600 volt). All are cut to length and outfitted with two strain-relief cord connectors for 1/2" NPT, one end terminated for connection into PV junction box, #10 AWG with fork terminals, #8-6AWG with copper lugs.

	MSRP	MSRP	MSRP	MSRP
AWG-Conductors	10FT	20FT	30FT	50 FT
#10-2	\$22.50	\$33.25	\$41.75	—————
#8-2	\$41.50	\$58.75	\$77.25	\$108.00
#6-2	\$47.50	\$63.75	\$83.00	\$117.00