



PV Solar Pre-assembled 4mm cable with NEC interlocked Male to Female connectors - 1.5m length

Specifications and Dimension

Straight connections used for connecting cables safely in Solar PV power generation systems. For all solar applications with NEC interlocks and 1500V DC capability. This product has a pre connected and crimped solar connector with 4.0mm cable CSA and 1.5 meter length on black. Straight Solar PV connectors with crimp connection and part of a range of branch, panel & inline fuse options and unlocking tools for safe, reliable IP rated connections in Solar power generating sets.

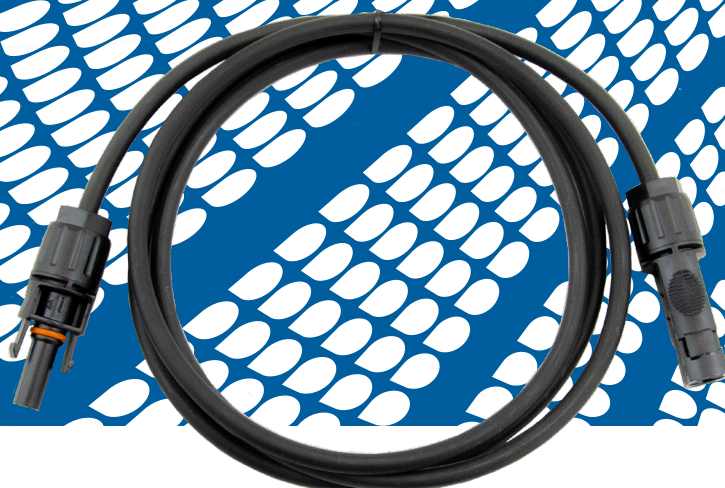
- For Solar PV power generation systems
- 1.5 metre length
- Male straight connector with NEC Interlock
- Female straight Interlock with NEC interlock
- Flame retardant thermoplastic with UV protection
- Watertight IP68
- 1500VDC capability (up to 45A)
- Cable size 4.0mm²
- TUV certified to EN 50618

Part No:

ERSMC4-1.5M

For any further comments or assistance please contact:

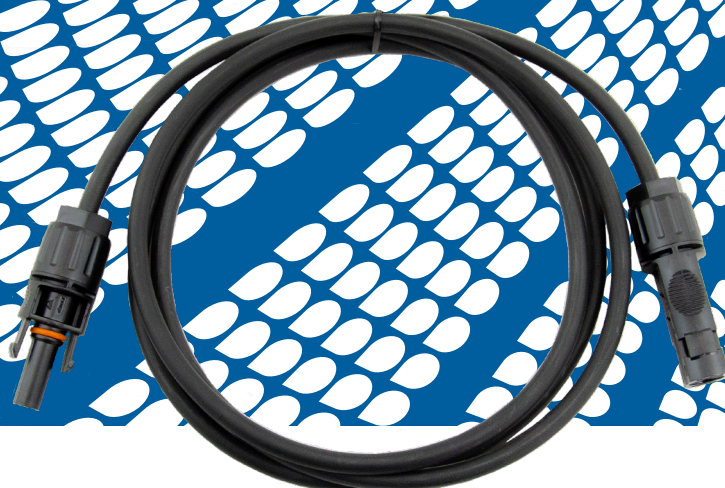
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Full Technical Specification of Crimps, General Specifications	
Number Of Contacts	1 per Male
Gender	Male
Body Orientation	Straight
Mounting Type	Straight connection
Connector	NEC Interlock
Other Part Codes from ERIS Solar Connectors range	"ERIS ERSMC4P (Male & Female Straight Pair Connector) ERIS ERSBC4F (Female Branch Connector) ERIS ERSBC4M (Male Branch Connector)"
Locking system	Snap in with NEC interlock
Termination Method	Crimped Connection Internally
Contact Material	Copper with Tin plating
Insulating Material	NORYL 9406P PPE+PS
Dimensions	Male 57.5x18.8x11.0mm
Pollution Degree	3
Operating Cycle	100
Number of Bending's	100
Application	All Solar PV System generating sets
Stripping Length	8mm-10mm
Insertion Force	≤50N
Withdrawal Force	≥50N
Salt Mist Spray Test	IEC60068-2-52, Severity Level 6
Material Flammability Rating	UL94 V-0

Electrical Specifications	
Current Rating	25A (2.5 mm ²), 45A (4 mm ²), 54A (6 mm ²) TUV
Voltage Rating	1500V DC
Rated Impulse Voltage	16kV
Rated Withstand Voltage	8kV
Application Class	A
Contact Resistance	<0.25 mΩ
Fuse required?	No
Built in contacts?	Yes- pre crimped on to Cable

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Operation Environment Specifications	
Maximum Operating Temperature	+110°C Limit Temperature (+85°C Upper Ambient Temperature)
Minimum Operating Temperature	-40°C Lower Ambient Temperature

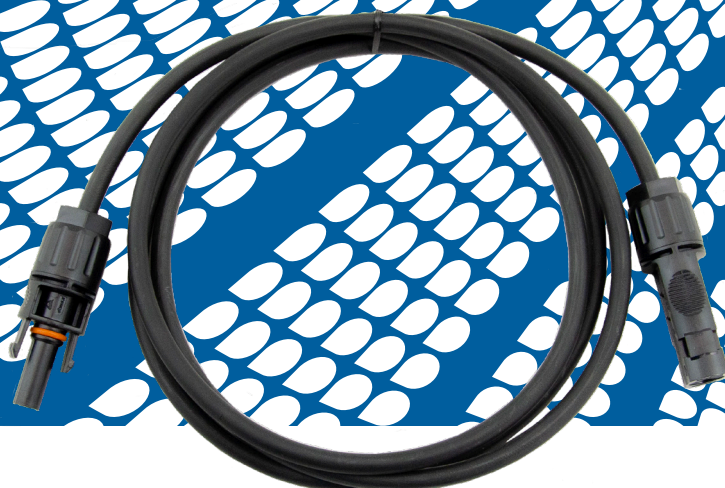
Mechanical Specifications Male	
Length	57.5mm
Width	18.8mm
Depth	11.0mm
Contact Size	3.87+/- 0.05mm
Maximum Mating Force	≤50N
Minimum Unmating Force	≥50N
Stripping Length	8mm-10mm
Crimp Contact Pin Dimensions	3.87mm +/- 0.05mm
Tool required for opening?	Yes

Mechanical Specifications Male	
Length	55.1mm
Width	18.8mm
Depth	11.0mm
Contact Size	3.87+/- 0.05mm
Maximum Mating Force	≤50N
Minimum Unmating Force	≥50N
Stripping Length	8mm-10mm
Crimp Contact Pin Dimensions	4.00mm +0.07mm / -0.05mm
Tool required for opening	Yes

Classification	
eCI@ss Version	V11.0: 27060313
UNSPSC Version	39122221
ETIM 8.0 Version	EC002635
Harmonisation Code	85369090
Tool required for opening	Yes

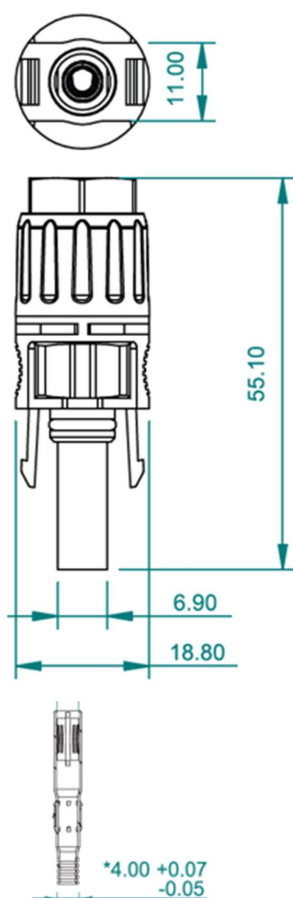
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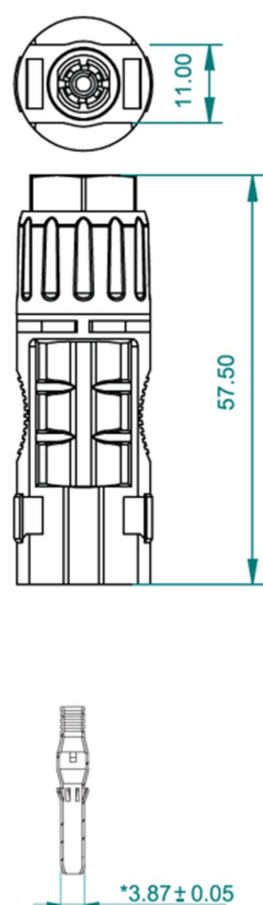


Approvals	
Compliance/Certifications	CE / UKCA / TUV
Declarations	IEC 62582:2014, IEC 60269-2:2013, IEC 60269-1:2014

Female Connector



Male Connector



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