

MC 4 Connector

1. Water proof and dust proof
2. Simple, quick installation
3. compatible with MC4 solar connector
4. competitive price

Technical data:

Insulation material: PC

Rated current: 30A

Rated voltage: 1000V

Test voltage: 6KV(50Hz, 1Min)

Contact material: copper, tin plated

Contact resistance: 5mΩ

Degree of protection: IP67

Safety class: II

Flame class: UL94-V0

Insertion force: ≤50N

Withdrawal force: ≥50N

Ambient temperature range: -40°C ~ +90°C

Suitable cable: 2.5~6.0mm² AWG14/12/10

Pin dimensions: φ4.0mm² & 6mm²

Package:

1. 1000 pairs in a carton
2. carton dimension: 38cm*29cm*47cm
3. Net weight: 21kg
4. Gross weight: 23kg



MC 4 T Branch Connector

1. Water proof and dust proof
2. Simple, quick installation
3. compatible with MC4 solar connector
4. competitive price

Technical data:

Mode: ST-1T

Insulation material: PC

Rated current: 50A

Rated voltage: 1000V

Test voltage: 6KV(50Hz, 1Min)

Contact material: Copper, Tin plated

Contact resistance: 5mΩ

Protection degree: IP67

Safety class: II

Flame class: UL94-V0

Insertion force: ≤50N

Withdrawal force: ≥50N

Ambient temperature range: -40℃~+90℃

Pin dimensions: φ4.0mm

Suitable cable: 2.5~6.0mm² AWG14/12/10

Package:

1. 200 pairs in a carton
2. carton dimension: 38cm*29cm*47cm
3. Net weight: 22.8kg
4. Gross weight: 25kg



MC 3 Connector

1. Water proof and dust proof
2. Simple, quick installation
3. compatible with MC3 solar connector
4. competitive price

Technical data:

Insulation material: PTR

Rated current: 30A

Rated voltage: 1000V

Test voltage: 8KV(50Hz, 1Min)

Contact material: copper, tin plated

Contact resistance: 5mΩ

Degree of protection: IP67

Safety class: II

Flame class: UL94-V0

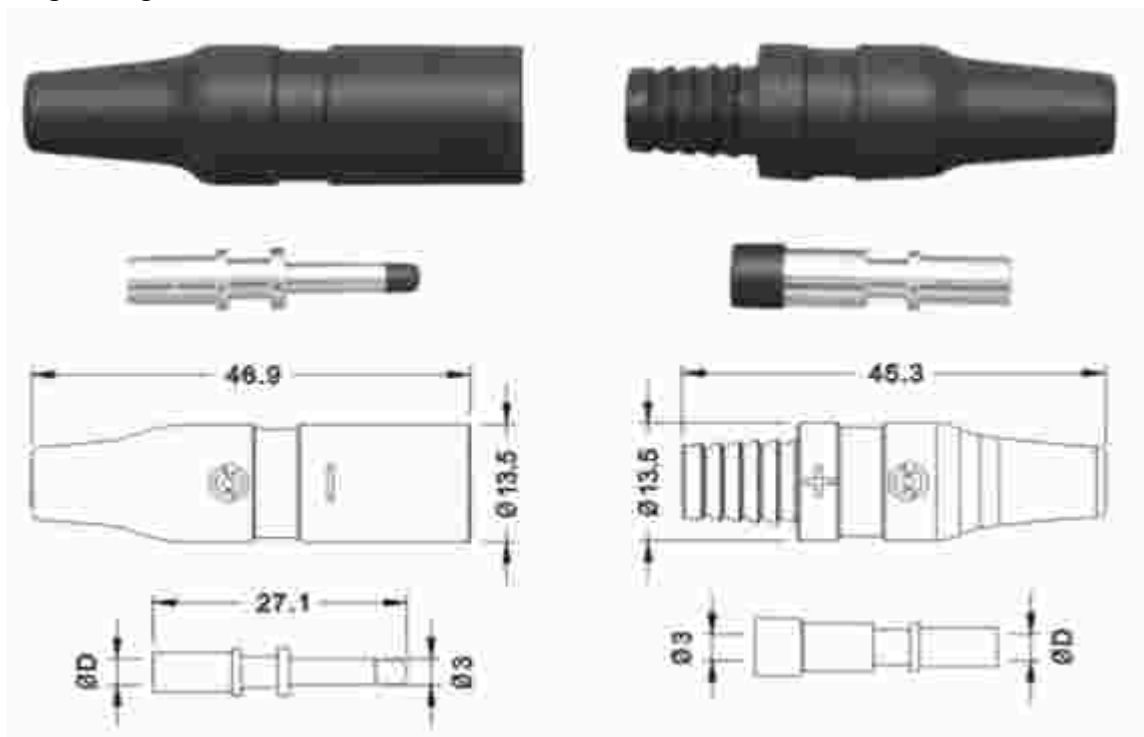
Ambient temperature range: -40°C ~ +90°C

Suitable cable: 2.5~6.0mm² AWG14/12/10

Pin dimensions: φ4.0mm² & 6mm²

Package:

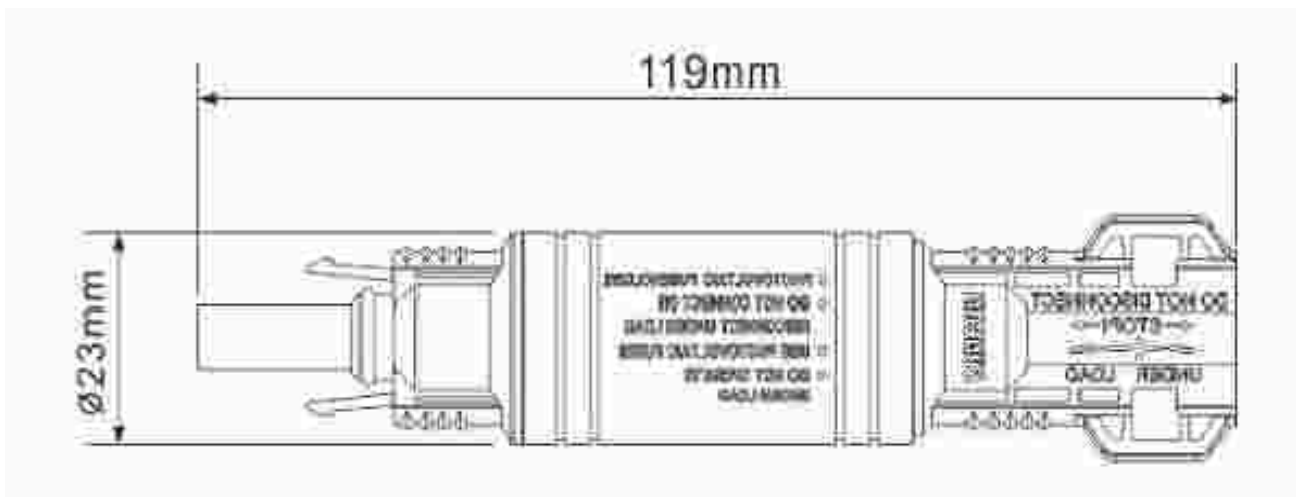
1. 1000 pairs in a carton
2. carton dimension: 38cm*29cm*47cm
3. Net weight: 13kg
4. Gross weight: 14kg



SYNERG TELECOM PVT LTD

SOLAR FUSE CONNECTOR

Rated voltage	TUV 1000V DC / UL 600V DC
Rated current	1~30A
Suitable cable cross sections	2.5mm ² ~ 10.0mm ² / 14AWG ~ 8AWG
Terminal size	Φ4.0mm
Test voltage	DC 8KV 1min
Pollution degree	2
Protection class	Class II
Contact resistance	≤ 5mΩ
Insulation Materials	PPO
IP rating	IP67(IEC 60529)
Pull-out force	≥ 50N
Insertion Force	≤ 50N
Test temperature	−40°C ~ +85°C
Flame Class	UL94V - 0



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VIKASPURI NEW DELHI-110018

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SOLAR DIODE CONNECTOR

Product No.	D4A
Rated voltage	TUV 1000V DC / UL 600V DC
Rated current	10A
Suitable cable cross sections	NO
Terminal size	Φ4.0mm
Test voltage	DC 8KV 1min
Pollution degree	2
Protection class	Class II
Contact resistance	$\leq 5\text{m}\Omega$
Insulation Materials	PPO
IP rating	IP67(IEC 60529)
Pull-out force	$\geq 50\text{N}$
Insertion Force	$\leq 50\text{N}$
Test temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Flame Class	UL94V - 0

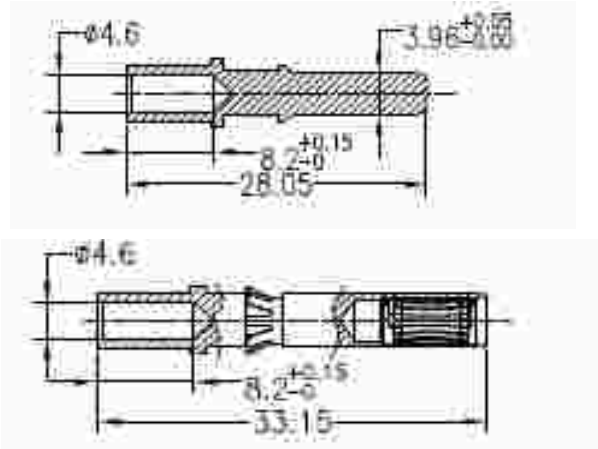
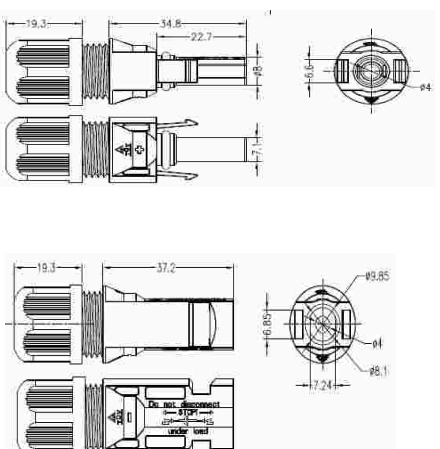


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VIKASPURI NEW DELHI-110018

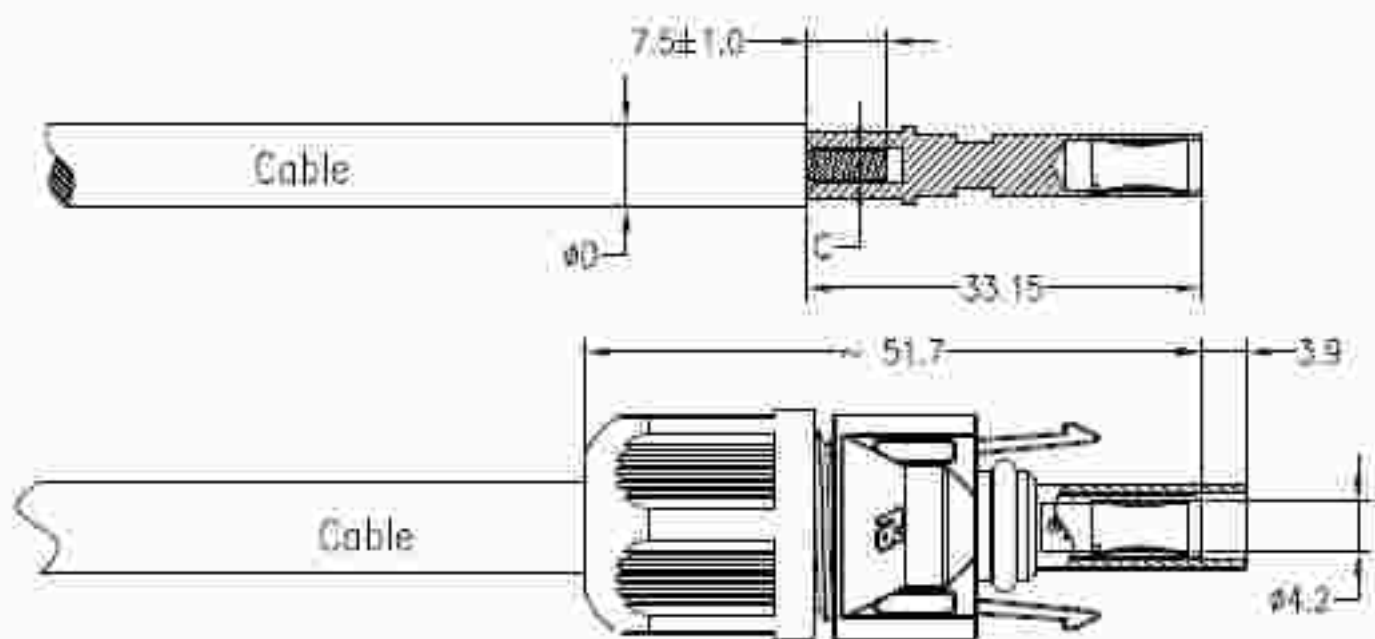
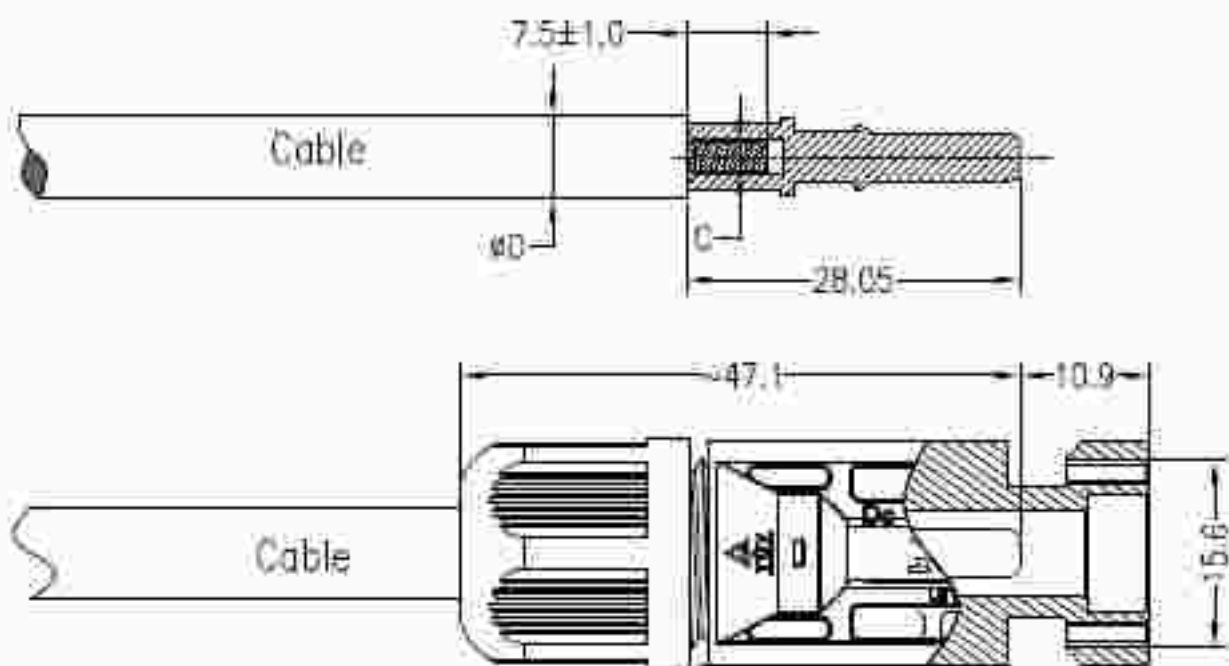
MC4 solar connector

Technical Data

Rate voltage	1000V(TUV) 600V(UL)
Rated current	30A(2.5mm ²) , 60A(4mm ² ,6mm ²),95A(10mm ²)
Test voltage	6KV(50Hz)
Protect degree	IP67/IP2X
Insulation material	PPO
Contact material	Copper sliver plated
Operating temperature	-40°C~+90°C
Safe class	2
Flame class	UL94-V0
Contact resistance of plug connectors	≤5mΩ
Insertion force	≤50N
Withdraw force	≥50N
Suitable cable	2.5mm ² /4mm ² /6mm ² /10mm ² (AWG14/12/10/8)
Locking system	Snap in

 <p>Drawing</p>	
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NOTE:- ABOVE DRWAING FOR 10 SQMM



SYNERGY TELCOM Pvt. Ltd.
FINAL TEST REPORT

Item Description :- 1 Core x 4.0 sqmm ATC Flexible Sheathed Cable.

Report No. :- FTR/14-15/636
Prod. Slip No. :- QA/837 /14-15
C.R No. :- BC/CR/213/14-15
Ordered Qty. :-
Dispatched Qty. :-

Customer Name :- M/s
Report Date :- 06/12/2014
Ref. Specs. :- BCCPL/TDS/805-A
Coil No. :-213-01/01 to 213-01/11

Sr. No.	Test	Description	Unit	Required Value	Observed Value
1	Conductor – Class-5 (As per IS-8130 : 1984)	Material	Flexible Annealed Tinned Copper Conductor		Flexible Annealed Tinned Copper Conductor
		Conductor Size	mm (max)	0.31	0.300
		Area	Sqmm (nom)	4	4
		Conductor Elongation	% (min)	13.5	19.6
2	Insulation	Material	---	PVC Type – A	PVC Type – A
		Thickness	mm (nom)	0.80	0.86-0.92
		Dia over Insulation	mm (nom)	4.15	4.18-4.22
		Core color	---	Red	Red
		Tensile Test (Sheath)	N/sqmm (min)	12.5	15.85
		Elongation (Sheath)	% (min)	150	230
3	Outer sheath (As per IS – 5831:1984)	Material	PVC ST-1 (UV Resistant)		PVC ST-1 (UV Resistant)
		Thickness	mm (nom)	1.00	1.06-1.12
		Over all dia meter	mm(Max)	7.00	6.52
		Color	---	BLACK (Red Strip)	BLACK (Red Strip)
		Tensile Test (Sheath)	N/sqmm (min)	12.5	15.80
		Elongation (Sheath)	% (min)	150	250
4	Electrical parameter	Conductor Resistance at 20°C	Ω / Km (max)	5.09	4.63
		Insulation Resistance Constant at 27°C	MΩ-Km (min)	36.7	522
		Volume Resistivity at 27°C	Ω-Cm (min)	1 x 10 ¹³	2.20 x 10 ¹⁴
		Rated Voltage of Cable	Volts	up to 1100	up to 1100
		High Voltage Test	kv/rms (for 5 minute)	3	Withstood
		Hot deformation Test (at 80°C for 4 hrs.)		50 % (max)	15
5	Flammability Test (As per IS-1554 – 1:1988)	The Uncharred portion from the lower edge of the top clamp		50 mm (min)	392
		Period of burning after removal of flame		60 Sec (max)	10
6	Printing	RF Connector House 4 Sq mm UV Protected 001-200 BC -12/2014,BC/CR/213/14-15 --- Mtrs.			

Tested By:-

Quality Incharge :

SYNERGY TELCOM PVT LTD
FINAL TEST REPORT

Item Description :- 1 Core x 6.0 sqmm ATC Flexible Sheathed Cable.

Report No. :- FTR/14-15/635
Prod. Slip No. :- QA/837 /14-15
C.R No. :- BC/CR/213/14-15
Ordered Qty. :- Mtr
Dispatched Qty. :-

Customer Name :- M/s
Report Date :- 06/12/2014
Ref. Specs. :- BCCPL/TDS/838-A
Coil No. :-213-02/01 to 213-02/11

Sr. No.	Test	Description	Unit	Required Value	Observed Value
1	Conductor – Class-5 (As per IS-8130 : 1984)	Material	Flexible Annealed Tinned Copper Conductor		Flexible Annealed Tinned Copper Conductor
		No of Wires	nos (Approx)	84	84
		Conductor Size	mm (max)	0.31	0.290
		Area	Sqmm (nom)	6.00	6.00
		Conductor Elongation	% (min)	13.5	19.2
2	Insulation	Material	---	PVC Type – A	PVC Type – A
		Thickness	mm (nom)	0.80	0.88-0.94
		Dia over Insulation	mm (nom)	4.70	4.72-4.76
		Core color	---	Red	Red
		Tensile Test (Sheath)	N/sqmm (min)	12.5	15.75
		Elongation (Sheath)	% (min)	150	230
3	Outer sheath (As per IS – 5831:1984)	Material	PVC ST-1(UV Protected)		PVC ST-1(UV Protected)
		Thickness	mm (nom)	0.90	0.96-1.02
		Over all dia meter (Dia Mentain)	mm(nom)	7.00	7.00
		Color	---	BLACK (Red Strip)	BLACK (Red Strip)
		Tensile Test (Sheath)	N/sqmm (min)	12.5	15.65
		Elongation (Sheath)	% (min)	150	250
4	Electrical parameter	Conductor Resistance at 20°C	Ω / Km (max)	3.39	3.23
		Insulation Resistance Constant at 27°C	MΩ-Km (min)	36.7	535
		Volume Resistivity at 27°C	Ω-Cm (min)	1 x 10 ¹³	2.42 x 10 ¹⁴
		Rated Voltage of Cable	Volts	up to 1100	up to 1100
		High Voltage Test	kv/rms (for 5 minute)	3	Withstood
		Hot deformation Test (at 80°C for 4 hrs.)		50 % (max)	14
5	Flammability Test (As per IS-694 : 1990)	The Uncharred portion from the lower edge of the top clamp		50 mm (min)	395
		Period of burning after removal of flame		60 Sec (max)	8
6	Printing	RF Connector House 6 Sq mm UV Protected 001-200 BC -12/2014,BC/CR/213/14-15 --- Mtrs.			

Tested By:-

Quality Incharge :

Synergy Telecom P Ltd.

Synergy Telecom (P) Ltd. **5 in 1 Solar Cable Connector** Synergy Telecom (P) Ltd. Synergy Telecom (P) Ltd.



Details

Y branch Solar connector , Compatible MC4 connector

Be used for branch connecting solar power system.

The video of assembling solar connector with cable:

Main Technical Specification:

- Maximum working voltage: 1000V DC
- Shell protection degree: IP67
- Flame class: UL94-V0
- Specification of Connecting Line: 4mm²
- Pollution degree: 2
- Ambient temperature range: -40~+85°C
- Contact resistance: $\leq 5\text{m}\Omega$
- Insertion force: $\leq 50\text{N}$
- Safety Level: class II
- Withdrawal force: $\geq 50\text{N}$

Products Introduction:

With excellent aging resistance and UV endurance, it can be used in harsh environment. It does not need extra instruments for the removal of plugs and removal will not cause any harm to plugs.

Main feature:

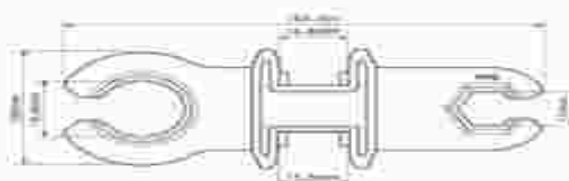
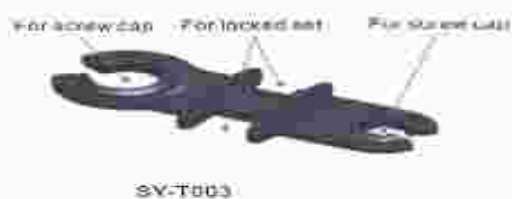
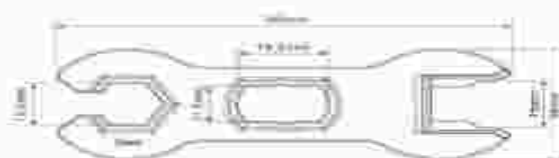
1. This solar branch Connector Set is the perfect solution to link any number of solar panels together.
2. Set includes 5male+1female and 5female+1male connectors cables.
3. The length of cable we depend on customer need it.
4. Flexible lead make this type of branch connector more versatile than the none flexible type.

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PHONE- 011-28533349, MOBILE- 09810138894, 09212558066
EMAIL: info@synergytpl.com, info@rfconnector.in

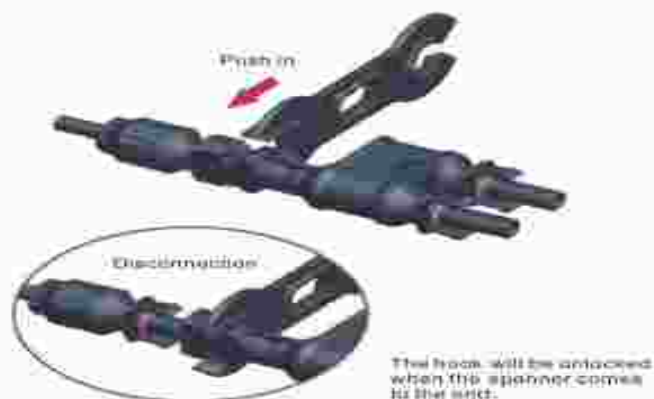


Wrench for MC4

Tool
two-set spanners



Downloaded from <http://ajphaphapublications.org/>





CRIMPING/STRIPPING TOOLS

Crimping/Stripping tools

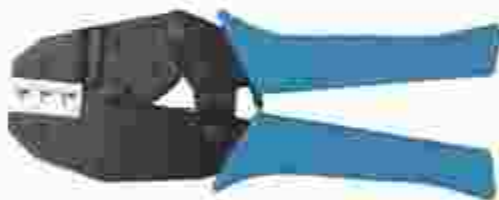


SY-S002

stripping tools,
suitable for:
2.5/4.0/6.0mm wire

SY-S003

stripping tools,
suitable for:
1.5/2.5/8/10mm wire



SY-P003

Crimping tools, Suitable for:
2.5/4.0/6mm Pins.

SY-P004

Crimping tools, Suitable for:
1.5/2.5/8.0/10mm Pins.

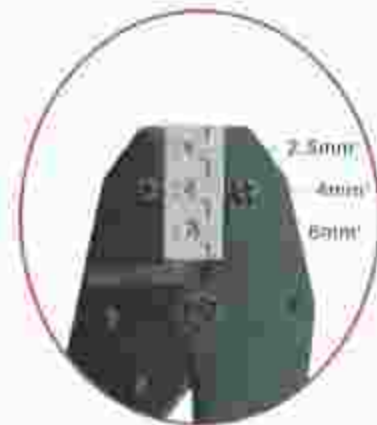


SY-P005

Crimping tools,
Suitable for:
0.5-1.5-2.5, 4-6mm Pins..

Crimping tools
SY-P003

Suitable for crimping cables and pins



SY-P003

Stripping tools
SY-S002

Suitable for stripping cable's jacket

2. Fixed 4. Direct 6. Open

SYNERGY TELECOM (P) LTD

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Phone: (202) 223-1111 Fax: (202) 223-1112 E-mail: info@nrc.gov

Keywords: child sexual abuse; disclosure; social support; self-esteem

N = number of observations; **O** = observed value; **P** = predicted value.



Synergy Telecom P Ltd.

MC4 Crimping tools

2012 Newest Type

Cable standard: 2.5/4/6.0mm²(14/12/10AWG)

Please rest assured to buy!

Description

MC4 terminal connector crimping tool

Main feature:

1. Precise crimping die sets and integral lock with self releasing mechanism
2. ensure high-quality crimping effect after crimping repeatedly.
3. Scientific leverage design saves energy when operating, release locking if operates error.
4. Provided with one set of dies in handles for using easily energy saving by humanization handle design.
5. Crimping range:14-10AWG(2.5-6mm²)
- 6.This crimp tool is recommend for crimping of MC4 and MC3 contacts. The excellent handling, easy exchange of the crimping insert bits and the possibility of adding a positioning aid are facts in favour of these crimping pliers.

Product name	mode	Capacity	Length	weight
PV crimping tool	RO-T01	2.5/4/6 mm ²	270mm	0.73kg

Package:

- 1.20pcs in a carton
- 2.carton dimension:42cm*38cm*32cm
- 3.Net weight:17kg
- 4.Gross weight:18kg



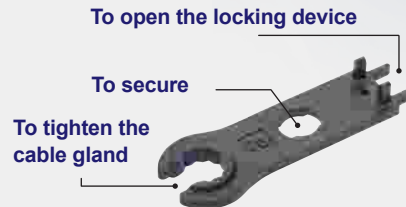
13-15 RPS flats, E-block, Vikaspur, N Delhi-110018, India
Phone-91 11 28533340, Mobile-91 98101 38894, Fax-91 11 2853 1435,
E-mail : pradeep@rconnectormouse.com, Website : <http://www.rconnectormouse.com/>

Solar MC3 & MC4 Crimping Tool Kit

This is a complete tool kit to install MC3 & MC4 solar connectors easily and accurately.



Includes 2 pcs MC4 and MC4 PLUS open-end spanner and unlocking tool help you opening the locking device, securing and tightening the cable gland.



Universal solar cable stripper comes with adjustable length stop for reliable stripping of the double layer insulated cables (2.5 - 6.0 mm²)

Parallel Action Crimping Tool

Interchangeable crimp dies with one grip

Parallel crimping action

Material: S50C
HRC: 45 ±3°

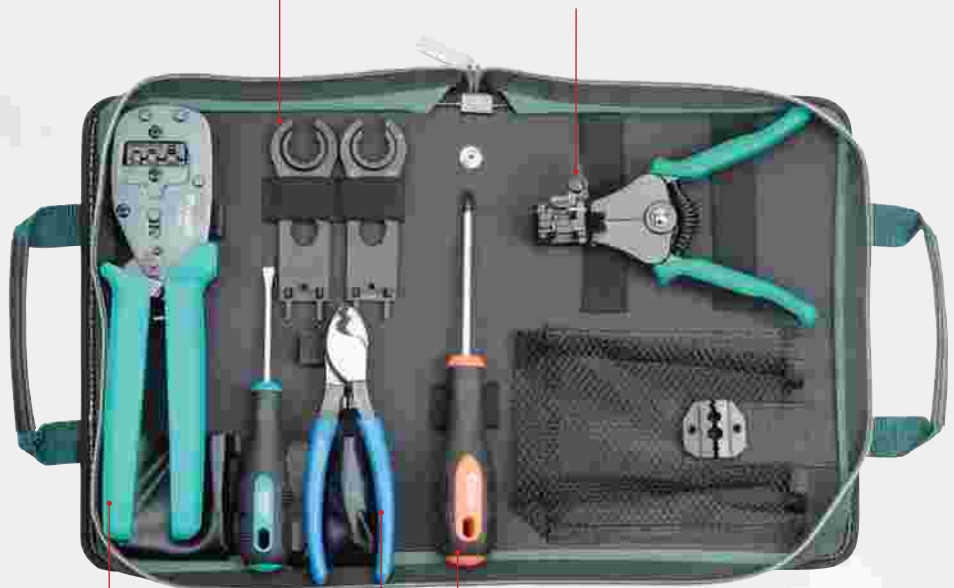
Crimping pressure adjustment

Non-slip TPR Handle

Ratcheting release trigger

Features:

- **Reliable:** Parallel action crimping performance is consistent and accurate
- **Practical:** Safety crimp release helps eliminate rejected terminations due to incorrect positioning.
- **Comfortable:** Ergonomically shaped non-slip TPR handle for comfortable use in all conditions
- **Versatile:** Interchangeable die sets for wide range of applications.



Prosoft screwdrivers for PV junction box installation



Heavy duty Forged Cable Cutter with high leverage Jaw and shear blade for clean cut without damage.

The Parallel action crimper features consistent and accurate performance



Contents:

CP-3006F	Parallel Action Crimper frame
9CP-5S1D	Die set for MC 3 solar connector (Multi-Contact) & 2.5/4/6mm ² (AWG 14/12/10) solar cable.
9CP-5S2D	Die set for MC 4 solar connector (Multi-Contact) & 2.5/4/6mm ² (AWG 14/12/10) solar cable.
CP-246	Universal solar cable stripper, for 2.5/4/6mm ² (AWG 14/12/10) solar cable
8PK-A202	Forging cable cutter (160mm), for copper cable: 25mm ² flexible
9HW-MC4	2 Pcs Open-end spanner and unlocking tool (MC4 and MC4 PLUS)
9SD-202A	Pro-soft screwdriver 5x75mm
9SD-207B	Pro-soft screwdriver #2 x100mm
9Z-940KP	Carrying zipper bag-280x197x70(mm)

Synergy Telecom P Ltd.

Part No- MS2101 (Mastech)

AC/DC Digital Clamp Meter



MS2101

Advantage:

- Measures AC/DC voltage, current, resistance, capacitance, frequency, diode check & continuity.
- 3 3/4 digit LCD Display with a maximum reading of 3999
- Data hold & Zero adjustment
- Carrying Bag for travel
- 1-year manufacturer's warranty

Synergy Telecom P Ltd.

Specifications:

Max. LCD display: 3999

Range selection: manual

DC voltage: 0,4/4/40/400 V \pm 0.8% 1000 V \pm 1.0%

AC voltage: 4/40/400 V \pm 1.0%, 700 V \pm 1.2%

DC current: 400/1000 A \pm 3.0%

AC current: 400/1000 A \pm 3.0%

Resistance: 400/4k/40k/400k/40hm \pm 1,0%, 40 Ohm \pm 2.0%

Capacitance: 4n/40n/400n/4 μ F \pm 4.0%

Frequency range: 40 Hz --100 kHz \pm 2.0%

Temperature: -40 $^{\circ}$ C -- 750 $^{\circ}$ C \pm 1.0%

Duty cycle:0.1% -- 99.9%

Diode test: yes

Continuity test: yes

Data hold: yes

Dimensions 10 x 4 x 1 $\frac{3}{4}$ inches

Power: 9V 6F22 battery

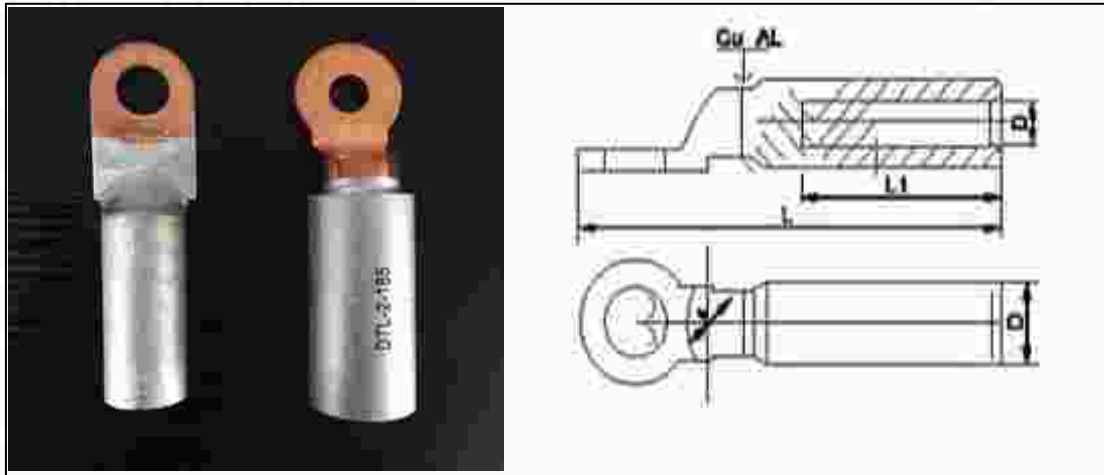
Weight: 1.06 lbs

Item in the box:

- **MS2101 clamp meter**
- **9V battery**
- **Test leads**
- **Thermo probe**
- **User manual**

SYNERGY TELECOM PVT. LTD

DTL Series



Item No	Dimension (mm)				
	Ø	D	d	L	L1
DTL2-10	13	16	5.5	87	42.0
DTL2-16	13	16	6.5	87	42.0
DTL2-25	13	16	8	87	42.0
DTL2-35	13	16	9	87	42.0
DTL2-50	13	20	11	87	43.0
DTL2-70	13	20	12.5	87	43.0
DTL2-95	13	20	13.5	87	43.0
DTL2-120	13	25	15.5	111	60.0
DTL2-150	13	25	17.5	111	60.0
DTL2-185	13	32	19.5	116	60.0
DTL2-240	13	32	22.5	116	60.0
DTL2-300	13	34	23.5	120	62.0

Price List



For more detailed datasheets:

Please visit my website:

www.rfconnector.in/showroom/solar_product