

PRODUCT CODE:- ESC-4-X

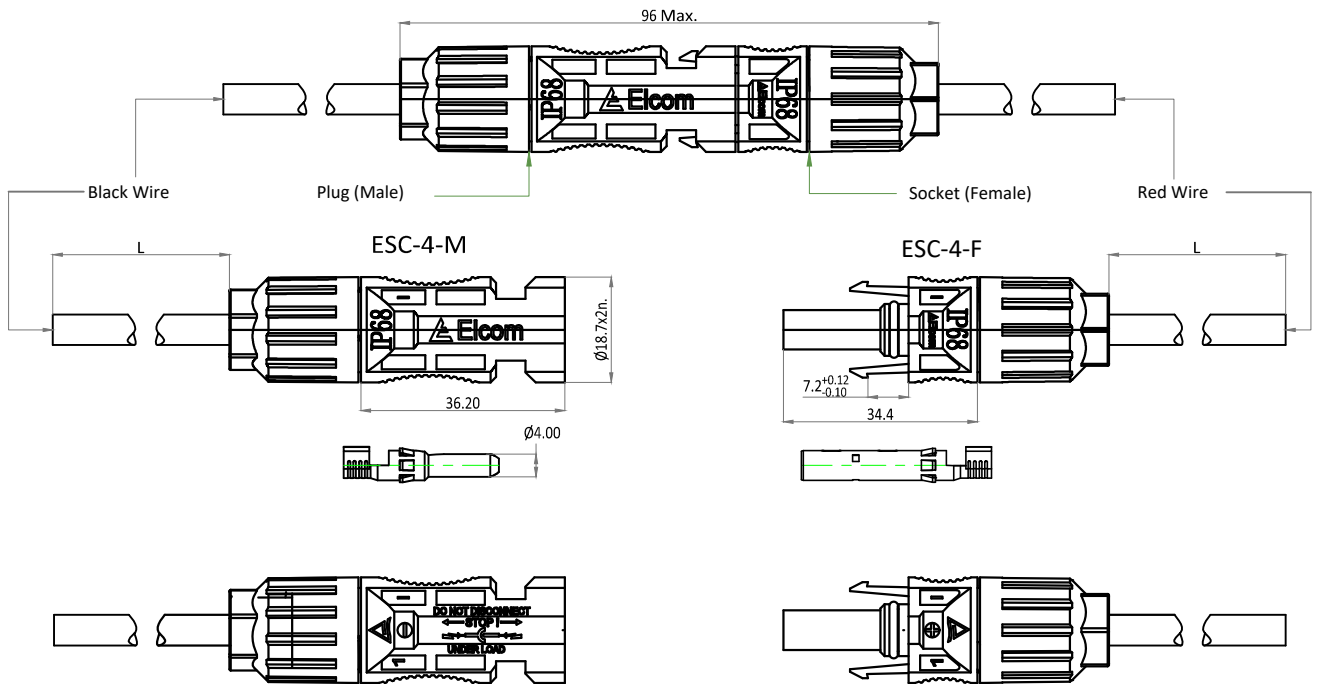
CATEGORY:- PV Cable Connectors




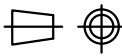
Solar PV Connector
 Pin dimensions:- $\varnothing 4.0\text{mm}$
 Suitable cable cross sections:-
 2.5mm^2 (25A) 4mm^2 (30A), 6mm^2 (30A)
 IP-68 Grade



BASIC DIMENSIONS:-



POLARITY VIEW

						APP	30.03.16	GJG	 <p>Plot E-4, Kagal Five Star MIDC, Kagal, Kolhapur, MH - 416236, India Elcom International Pvt. Ltd. www.elcom-in.com</p>	
						CHK	30.03.16	KAK		
						DRN	30.03.16	Sagar		
REV	IS	WAS	DATE	SIGN	APP.	BY	DATE	SIGN		
UNSP.TOLERANCE			DIMNS. IN	WT(Gm)	SCALE:-	PROJECTION	SHEET	DRAWING NUMBER		
OVER	-	1	10	mm	Max.	NTS.		1 OF 2	P E S C 2 1 1 1	REVISION
UP TO	1	10	-	Moulding, plating details as per Bill of Material Unspecified colour is Black, GF:Glass filled.						0
±	0.2	0.3	0.5							


F:ENG-08.00

Note: Technical specifications are subject to change without prior notice

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PRODUCT CODE:-	ESC-4-X	CATEGORY:-	PV Cable Connectors
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SPECIFICATION TABLE:-



SR.NO	PARAMETER	SPECIFICATION
1	Type	Ø4mm PV Connector
2	Rated current	4 & 6sqmm : 30A 2.5sqmm : 25A
3	Rated voltage	1500V DC
4	Test voltage	8000V AC(1min)
5	Typical contact Resistance	≤0.35mOhms
6	Degree of protection (Mated)	IP68(IEC 60529)
7	Protection class	II
8	Flammability class	UL 94, V-0
9	Insulation material	PP0
10	Contact material	Copper/Copper Alloy,Silver plated
11	Temperature range	-40°C To +85°C
12	Upper limiting temperature	105°C
13	Cable size	2.5mm ² 4mm ² & 6mm ²
14	Rated Impulse Voltage	16KV
15	Application Class	A
16	Pollution Degree	3
17	Over voltage category	Category III
18	Relative Humidity (%)	85%
19	Pin dimensions	Ø4.0mm
20	Stripping Length	8 mm.
21	Insertion force (male Female hsg.)	≤50N
22	Withdrawal force (male Female hsg.)	≥100N
23	Sealing Material	Silicon Rubber
24	Minimum Creepage Distance	Contact to contact not applicable
25	Reference Standard	IEC 62852:2014
26	Approval	TUV 

ORDERING CODE:-

Solar PV Connector	Wire Type	Wire Color	Wire Stripping Length	Wire Length(L)
ESC-4-M ESC-4-F	A 4 Sq.mm B 6 Sq.mm C 2.5 Sq.mm	03 Black 04 Red 21 Black with Red Strip	8 8 mm	As per Customer Requirement

- Example:-**
- 1) Solar PV Connector without wire
ESC-4-M or ESC-4-F
 - 2) Solar PV Connector with wire
ESC-4-M-A-03-1meter.

Note:- For 2.5sqmm wire crimping, Use Crimping tool of 4sqmm wire.

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						CHK	30.03.16	KAK	
						DRN	30.03.16	Sagar	
REV	IS	WAS	DATE	SIGN	APP.	BY	DATE	SIGN	
UNSP.TOLERANCE			DIMNS. IN	WT(Gm)	SCALE:-	PROJECTION	SHEET	DRAWING NUMBER	
OVER	-	1	10	mm	Max.	NTS.	2 OF 2	P E S C 2 1 1 1	REVISION
UP TO	±	0.2	0.3	0.5	Moulding, plating details as per Bill of Material Unspecified colour is Black, GF:Glass filled.			0	

F:ENG-08.00

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