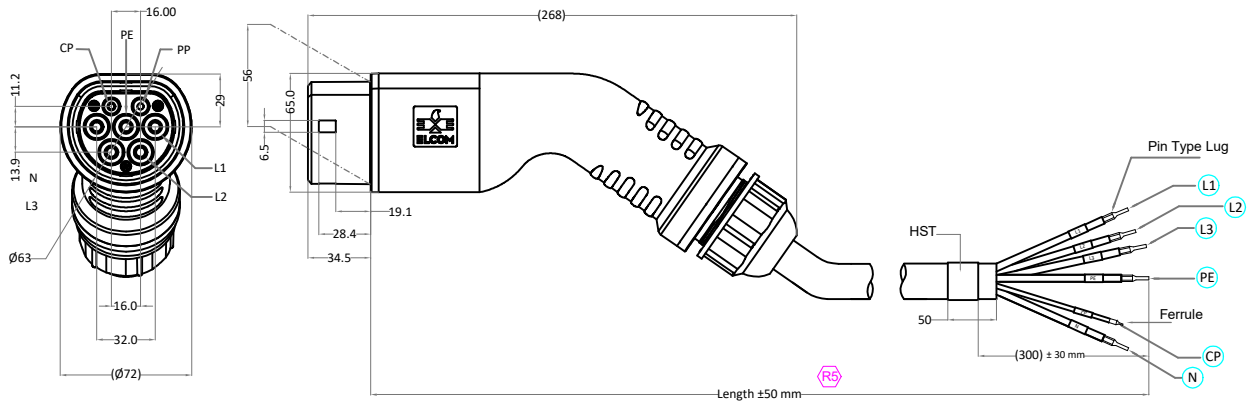
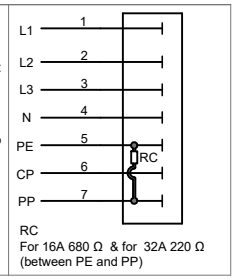
Vehicle Charging Connector for AC Current (16A & 32A)	PRODUCT DATA SHEET	REFERENCE

BASIC DIMENSIONS:-



Cable Details	NO.	Connection	16A, 250V AC	16A, 480V AC	32A, 250V AC	32A, 480V AC
	1	L1	2.5mm²	2.5mm²	6mm²	6mm²
	2	L2	-	2.5mm²	-	6mm²
	3	L3	-	2.5mm²	-	6mm²
	4	N	2.5mm²	2.5mm²	6mm²	6mm²
	5	PE	2.5mm²	2.5mm²	6mm²	6mm²
	6	CP	0.5mm²	0.5mm²	0.5mm²	0.5mm²
	7	PP	0.5mm²	0.5mm²	0.5mm²	0.5mm²

Method of Connecting Wire for Type-2 CON



Specification Table	SR.NO	PARAMETER		SPECIFICATION
	1	Type		Vehicle Connector (IIe)
	2	Rated Current		16A, 32A
	3	Rated Voltage		250V AC / 480V AC
	4	Signal Rating		2A 30V AC(For PP & CP)
	5	Insulation Resistance at DC 500V		>1000 MΩ
	6	Contact Resistance		0.5mΩ Max
	7	H.V.Break Down Test		2KV
	8	Mechanical Life		>10000
	9	Insertion Force		<100 N
	10	Withdrawal Force		<100 N
	11	Permissible Temp. With/Without Load		-30°C TO 50°C
	12	Material	(a) Cable	Thermo Plastic
			(b) Outer Sheath	EVM-1/ EVM-2/EVM-3
			(c) Cable Sheath Color	Black Color
			(d) Conductors	Bare copper, class 5
	13	Cable Core	(i) Live , Neutral,CP	As per table of Cable details
			(ii) Earth,PP	
	14	Protection Degree		Mating- IP44 & Unmating -IP55(With Protection Cap)
	15	Shell Material		Thermoplastic
	16	Reference Standard		IEC 62196-1, IEC 62196-2, IEC 62893 IS 17017-1 IS 17017-2

ORDERING CODE:-

Elcom Electric Vehicle Charging	Connector Type	Sub Type	Current Rating	Voltage	Cable/Wire	Length (mtr)	Cable Mfg	Lugs/Thimbles
EEVC	Type-2 -: T	Connector -: 1	16A -: B	250V AC -: 1	Without Cable -: N	R3 2.0	KEI - K	Without Lugs -: No suffix
			32A -: G	480V AC -: 2	With Cable -: W	3.0	Siechem - S	With Lugs -: T
						4.0	Apar - A	
						5.0	KEC - C	
						5.2	Polycab - P	
						5.5	Onitl - O	
						6.0		
						6.5		
						7.0		

R4

For Example -: EEVC-T1B2W5.0K -: Elcom Electric Vehicle Charging Type-2 Connector 16A 480V AC With 5.0 mtr KEI Cable
Note -: At present Approved cables = Siechem, KEI & Onitl & Under approval = Apar & KEC make cable

REV	IS	WAS	DATE	SIGN	APP.
R5	Change Cable length Position		01-08-24	Sagar	PBM
R4	Added Lugs Table		30-07-24	Sagar	PBM
R3	Added cable length varities		10-05-24	Sagar	PBM
R2	Added cable length varities		04-05-24	Sagar	PBM
R1	Added Cable Mfg Table in Ordering Table		08-03-24	Sagar	PBM

PRODUCT :- Type-2 Charging Connector

CODE :- EEVC-Type 2 Connector Series

BY	DATE	SIGN
APP	15.09.23	PBM
CHK	15.09.23	Sagar
DRN	15.09.23	YDP

ELCOM
Plot E-4, Kagal Five Star MIDC, Kagal, Kolhapur, MH - 416236, India
Elcom International Pvt. Ltd.
www.elcom-in.com

UNSP.TOLERANCE			
OVER	-	1	10
UP TO	1	10	-
±	0.2	0.3	0.5

DIMNS. IN mm | WT(Gm) Max. | SCALE:- NTS. | PROJECTION | SHEET 1 OF 1

Moulding, plating details as per Bill of Material
Unspecified colour is Black, GF:Glass filled.

DRAWING NUMBER: E V T P 2 C O N

REVISION: R5

F:ENG-08.00

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Note: Technical specifications are subject to change without prior notice