

About us

Raycor Electromech, is a unit of Roorkee based RJ Group, it consists of two units as below –

1. RJ Industrial Corporation

Established in 1988, at Roorkee, District- Haridwar [Uttarakhand], 175 KM North of capital New Delhi.

Manufacturers of all types of specialty wires & cables which includes LFH, PTFE, FEP, XLPE, ETFE, PE, PE FOAM, PP, HDPE, ZHFR, Silicon & Elastomeric Rubber insulated wires & cables, control & Instrumentation Cables.

It has customers like DRDO, Defence establishments, Bharat Electronics, BHEL, HAL, ECIL, Bharat Dynamics, Nuclear Power corporation etc. and a number of other private & public sector units.



The Main application includes, Military Radars, Missiles, Battle Tanks, Electronics Control, Aircraft, and Naval Ships etc. Now making EV Cable as per IEC 62893 Part 1, 2, & 3, for further details visit us at www.rjptfe.com.

2. Raycor Electromech

Manufacturers of specialized geometrical stranded conductors of Silver, Tin & Nickel plated copper. Also have complete in-house setup to manufacture Cable Assemblies, Wire Harness and RO Filters.

Now, it has entered into the manufacturing of EV components i.e. EV connectors, for electric vehicles.

Both units have approximately 50,000 sq ft. of working area and presently have staff of 100 plus persons, including technical & administrative.



Core Team

Mr. Pyush Jindal [CMD RJ Group]	: 68, BE [Electrical Engineering], IIT, Roorkee, FIE, Institution of Engineers & Certified Chartered Engineer, [Having 46 yrs. of work experience, in various industrial activities, including R&D, Production, Design and administrative]
Dr. Kamlesh Chandra [Ex Professor]	: Ph. D [Metals & Metallurgy], Ex Professor [IIT Roorkee], F.I.E. Have six patents to his credit; worked with number of industries, for various projects, including Break Material Development of TVS, Scooters.
Mr. Awadhesh Yadav	: B. Tech [E & TC], PGDIM in Rubber Technology from IIT Kharagpur. Having 30 years of experience, of Research & Development and Quality Control in various type of wires & cables industries.
Mr. P K Bansal [QA Consultant]	: Ex. Chief Eng.(QA - NPCIL), Ministry of Atomic Energy, Govt. of India. Having long experience of Quality Control & Quality Assurance at various levels.

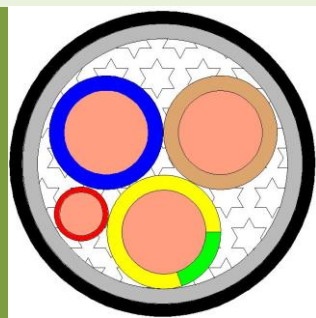
Technical Specifications [Connectors]

Description	RC1P230 16	RC1P230 32	RC3P415 16	RC3P415 32
PLUG	Type 2, Plug Single Phase, 3.7 KVA 16 Ampere	Type 2, Plug Single Phase, 7.3 KVA 32 Ampere	Type 2, Plug, Three Phase, 11 KVA 16 Ampere	Type 2, Plug, Three Phase, 22 KVA 32 Ampere
Source of Power	Grid, 230 V AC, rms	Grid, 230 V AC, rms	Grid, 415 V AC, rms	Grid, 415 V AC, rms
Type 2 Female Vehicle End, AC Charging	16 A (Power) 2A (Control & Signal)	32 A (Power) 2A (Control & Signal)	16 A (Power) 2A (Control & Signal)	32 A (Power) 2A (Control & Signal)
Insulation Resistance	>1000 Mega Ohm			
Mating Cycle	>10,000			
Contact Resistance	≤ 0.5 Mili Ohm			
Operating Temperature	-30° C to +70° C			
Insertion Force	< 100 N			
Protection class	IP55 [Mated]			
Make	Raycor Electromech			
Contact Pin	Copper Alloy; Silver Plated			
Shell Material	Thermoplastic, Non-Flammable, Impact Resistant			
Flame Retardant Grade	UL94 – V0			
Standards	IS:17017, Part 2 Sec-2, IEC 62196-2 [For Plug Type-2]			
Approvals	ARAI, CE, ROHS, REACH			
Others	IATF 16949: 2016, ISO9001:2015, NSIC, Havells			



Technical Specifications Cable

TYPE	RC1P230 16	RC1P230 32	RC3P415 16	RC3P415 32
Cable Rating	Single Phase, 16A, 230V AC RMS	Single Phase, 32A, 230V AC RMS	Three Phase, 16A 415V AC RMS	Three Phase, 32A 415V AC RMS
Electrical Cable	3 Cores, 2.5 Sq mm +1 Core, 0.75 Sq mm	3 Cores, 6.0 Sq mm +1 Core, 0.75 Sq mm	5 Core, 2.5 Sq mm +1 Core, 0.75 Sq mm	5 Core, 6.0 Sq mm +1 Core, 0.75 Sq mm
Cable Standard	IEC 62893 Parts 1, 2, 3 Rating 0.6/1kv, IS 17017 Part-2, Sec-2			
Operating Temperature	-30°C to +70°C			
Assembly of cores	As Shown Below			
Outer Sheathing	FR Polyurethane [FR TPU]			
Colour Code	As Shown Below			
Make	RJ Industrial Corporation			
Approvals	CE, LCSO, DGQA, DGQAN, RoHS, REACH, RDSO			
Other Approvals*	IATF 16949, ISO 9001:2015, NSIC, Capacity Assessment By DGQA, DGQAN, LCSO & Other Customer Approvals			
Customers of RJ Cables	BEL, BHEL, NPCIL, Amphenol, HAL, DMRC, BDL, ECIL, TATA, L&T, OFB etc.			

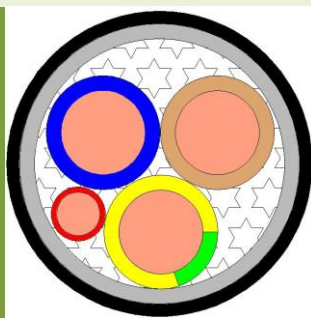


4 Core Charging Cable
230V, 16A,
3 Core x 2.50 sq mm
(Power Cores)
+
1 Core x 0.75 sq mm
(Control Cores)

Power Cores

Yellow-Green, Blue, Brown

Control Core - Red

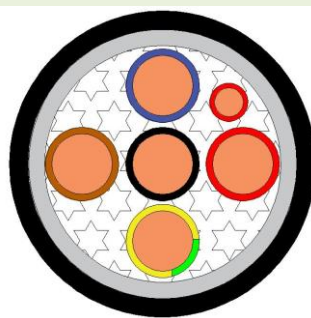


4 Core Charging Cable
230V, 32A,
3 Core x 6.00 sq mm
(Power Cores)
+
1 Core x 0.75 sq mm
(Control Cores)

Power Cores

Yellow-Green, Blue, Brown

Control Core - Red

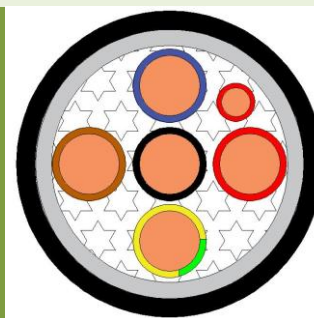


6 Core Charging Cable
415V, 16A,
5 Core x 2.50 sq mm
(Power Cores)
+
1 Core x 0.75 sq mm
(Control Cores)

Power Cores

Yellow-Green, Blue, Brown, Red, Black

Control Core - Red



6 Core Charging Cable
415V, 32A,
5 Core x 6.00 sq mm
(Power Cores)
+
1 Core x 0.75 sq mm
(Control Cores)

Power Cores

Yellow-Green, Blue, Brown, Red, Black

Control Core - Red

*Type tested, against IEC62893, Part 1, 2 & 3, duly witnessed by TUV SUD.


For further details -

Raycor Electromech

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