



Images not to scale. Follow table for dimensions

## APPLICATION

POLY CAB RR-C MC, IS 9968-1 tinned copper conductor, EPR insulated and CSP sheathed cable conforming to IS 9968-1 is designed to use for fixed wiring, single phase or three phase (earthed or unearthing) system for rated voltage up to and including 1100 V. These cables may be used on DC system for rated voltage grade 1500 V to earth. Suitable to use where chemical resistance is prime importance.

## CHARACTERISTICS

### Voltage Rating

1100 V

### Operation Temperature

Fixed: -40°C to 90°C

Maximum short circuit temperature 250°C

### Bending Radii

Fixed installation >12 x Overall Diameter  
Occasional >10 x Overall Diameter

## CONSTRUCTION

- Annealed tinned electrolytic grade copper conductor to IS 8130, class 5
- Insulated with elastomeric compound IE 2 to IS 6380
- Sheathed with elastomeric compound CSP (Chlorosupphonated polyethylene) as per IS 6380.

### Core Identification

Single core - Red/Black/White/Yellow/Blue

Twin core - Red, Black

Three core - Red, Yellow, Blue

Four core - Red, Yellow, Blue, Green

Five core - Red, Yellow, Blue, Black, Green

More than Five core - Black with white numbering

### Test Voltage

3000 V AC

## STANDARD FOLLOWS

IS 8130:2013

IS 6380:1984\*

IS 9968:1988

## COMPLIANCE

Conductor resistance test IS 8130

Insulation resistance IS 6380:1984\*

Flammability IEC 60332-1-2

## OUR ACCREDITATIONS



## APPROVAL



**WEIGHT & DIMENSION DATA :**

Product Code	Nominal cross sectional area	No. of core	Nominal thickness of insulation	Overall diameter
	mm <sup>2</sup>		mm	mm
RCIS09TRUARC002C1.5SA002S	1.5	2	0.8	8
RCIS09TRUARC003C1.5SA002S	1.5	3	0.8	8.5
RCIS09TRUARC004C1.5SA002S	1.5	4	0.8	9.5
RCIS09TRUARC005C1.5SA002S	1.5	5	0.8	10.5
RCIS09TRUARC006C1.5SA002S	1.5	6	0.8	11.5
RCIS09TRUARC007C1.5SA002S	1.5	7	0.8	11.5
RCIS09TRUARC008C1.5SA002S	1.5	8	0.8	12.5
RCIS09TRUARC010C1.5SA002S	1.5	10	0.8	16
RCIS09TRUARC012C1.5SA002S	1.5	12	0.8	16.5
RCIS09TRUARC014C1.5SA002S	1.5	14	0.8	17.5
RCIS09TRUARC016C1.5SA002S	1.5	16	0.8	18.5
RCIS09TRUARC019C1.5SA002S	1.5	19	0.8	19.5
RCIS09TRUARC020C1.5SA002S	1.5	20	0.8	20.5
RCIS09TRUARC024C1.5SA002S	1.5	24	0.8	23
RCIS09TRUARC025C1.5SA002S	1.5	25	0.8	23
RCIS09TRUARC027C1.5SA002S	1.5	27	0.8	23.5
RCIS09TRUARC030C1.5SA002S	1.5	30	0.8	24
RCIS09TRUARC036C1.5SA002S	1.5	36	0.8	27
RCIS09TRUARC037C1.5SA002S	1.5	37	0.8	27
RCIS09TRUARC002C2.5SA002S	2.5	2	0.9	9.5
RCIS09TRUARC003C2.5SA002S	2.5	3	0.9	10
RCIS09TRUARC004C2.5SA002S	2.5	4	0.9	11.5
RCIS09TRUARC005C2.5SA002S	2.5	5	0.9	12.5
RCIS09TRUARC006C2.5SA002S	2.5	6	0.9	13.5
RCIS09TRUARC007C2.5SA002S	2.5	7	0.9	13.5
RCIS09TRUARC008C2.5SA002S	2.5	8	0.9	16
RCIS09TRUARC010C2.5SA002S	2.5	10	0.9	19
RCIS09TRUARC012C2.5SA002S	2.5	12	0.9	19.5
RCIS09TRUARC014C2.5SA002S	2.5	14	0.9	20.5
RCIS09TRUARC016C2.5SA002S	2.5	16	0.9	20.5
RCIS09TRUARC019C2.5SA002S	2.5	19	0.9	23

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# POLY CAB RR-C MC, IS 9968-1

## Rubber control Cable, 1100 V AC

**POLY CAB**  
IDEAS. CONNECTED.

RCIS09TRUARC020C2.5SA002S	2.5	20	0.9	24.5
RCIS09TRUARC024C2.5SA002S	2.5	24	0.9	27.5
RCIS09TRUARC025C2.5SA002S	2.5	25	0.9	27.5
RCIS09TRUARC027C2.5SA002S	2.5	27	0.9	28
RCIS09TRUARC030C2.5SA002S	2.5	30	0.9	30
RCIS09TRUARC036C2.5SA002S	2.5	36	0.9	32
RCIS09TRUARC037C2.5SA002S	2.5	37	0.9	32

### Electrical characteristics :

Current carrying capacity and maximum DC conductor resistance.

	2 Core Cable	3 Core Cable	
mm <sup>2</sup>	Amp.	Amp.	?/km
1.5	26	23	13.7
2.5	36	32	8.21

Ambient temperature: 30°C

Conductor operating temperature: 90°C

Current carrying capacity in accordance with Table B.52.12 (free air) of IEC 60364 5-52

### De-Rating Factor

De-rating factor at various ambient temperature.

Temperature (°C)	20	30	40	50	60	70	80
Rating factor	1.08	1	0.91	0.82	0.71	0.58	0.41