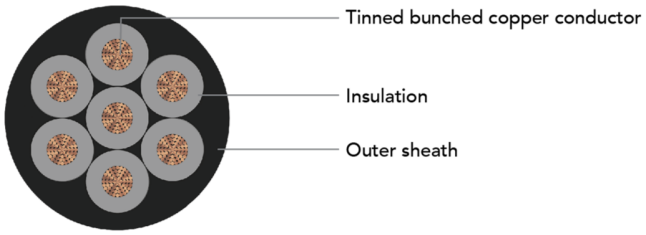
POLYCAB RR-E MC, IS 9968-1
Rubber control Cable, 1100 V AC



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB RR-E MC, IS 9968-1 tinned copper conductor, EPR insulated and HOFR elastomer sheathed cable conforming to IS 9968-1 is designed to use for fixed wiring, single phase or three phase (earthed or unearthed) 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 in elevator, lifts, cranes, mines, heater leads and electric iron leads etc.

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 HOFR (Heat and Oil resistant flame retardant) elastomer 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 - Grey with Black 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

POLYCAB RR-E MC, IS 9968-1
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POLYCAB
IDEAS. CONNECTED.

WEIGHT & DIMENSIONAL DATA :

Product Code	Nominal cross sectional area mm²	No. of core	Nominal thickness of insulation mm	Overall diameter mm
RCIS09TRUARE002C1.5SA002S	1.5	2	0.8	8
RCIS09TRUARE003C1.5SA002S	1.5	3	0.8	8.5
RCIS09TRUARE004C1.5SA002S	1.5	4	0.8	9.5
RCIS09TRUARE005C1.5SA002S	1.5	5	0.8	10.5
RCIS09TRUARE006C1.5SA002S	1.5	6	0.8	11.5
RCIS09TRUARE007C1.5SA002S	1.5	7	0.8	11.5
RCIS09TRUARE008C1.5SA002S	1.5	8	0.8	12.5
RCIS09TRUARE010C1.5SA002S	1.5	10	0.8	16
RCIS09TRUARE012C1.5SA002S	1.5	12	0.8	16.5
RCIS09TRUARE014C1.5SA002S	1.5	14	0.8	17.5
RCIS09TRUARE016C1.5SA002S	1.5	16	0.8	18.5
RCIS09TRUARE019C1.5SA002S	1.5	19	0.8	19.5
RCIS09TRUARE020C1.5SA002S	1.5	20	0.8	20.5
RCIS09TRUARE024C1.5SA002S	1.5	24	0.8	23
RCIS09TRUARE025C1.5SA002S	1.5	25	0.8	23
RCIS09TRUARE027C1.5SA002S	1.5	27	0.8	23.5
RCIS09TRUARE030C1.5SA002S	1.5	30	0.8	24
RCIS09TRUARE036C1.5SA002S	1.5	36	0.8	27
RCIS09TRUARE037C1.5SA002S	1.5	37	0.8	27
RCIS09TRUARE002C2.5SA002S	2.5	2	0.9	9.5
RCIS09TRUARE003C2.5SA002S	2.5	3	0.9	10
RCIS09TRUARE004C2.5SA002S	2.5	4	0.9	11.5
RCIS09TRUARE005C2.5SA002S	2.5	5	0.9	12.5
RCIS09TRUARE006C2.5SA002S	2.5	6	0.9	13.5
RCIS09TRUARE007C2.5SA002S	2.5	7	0.9	13.5
RCIS09TRUARE008C2.5SA002S	2.5	8	0.9	16
RCIS09TRUARE010C2.5SA002S	2.5	10	0.9	19
RCIS09TRUARE012C2.5SA002S	2.5	12	0.9	19.5
RCIS09TRUARE014C2.5SA002S	2.5	14	0.9	20.5
RCIS09TRUARE016C2.5SA002S	2.5	16	0.9	20.5
RCIS09TRUARE019C2.5SA002S	2.5	19	0.9	23
RCIS09TRUARE020C2.5SA002S	2.5	20	0.9	24.5

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Product Code	Nominal cross sectional area	No. of core	Nominal thickness of insulation	Overall diameter
	mm²		mm	mm
RCIS09TRUARE024C2.5SA002S	2.5	24	0.9	27.5
RCIS09TRUARE025C2.5SA002S	2.5	25	0.9	27.5
RCIS09TRUARE027C2.5SA002S	2.5	27	0.9	28
RCIS09TRUARE030C2.5SA002S	2.5	30	0.9	30
RCIS09TRUARE036C2.5SA002S	2.5	36	0.9	32
RCIS09TRUARE037C2.5SA002S	2.5	37	0.9	32

Electrical characteristics :

Current carrying capacity and maximum DC conductor resistance.

	2 Core Cable	3 Core Cable	
mm²	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