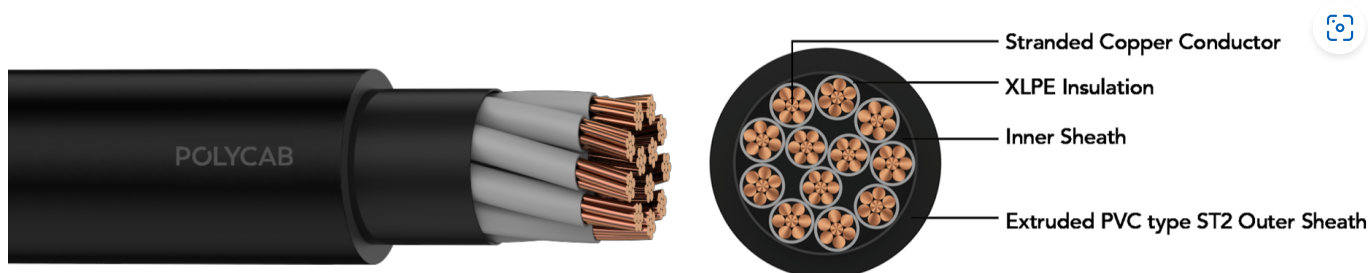


# POLYCAB 2.5 2XY MC IS 7098-P1 CONTROL CABLE 650/1100 V AC



Images not to scale. Follow table for dimensions

## APPLICATION

POLYCAB 2.5 2XY MC, Stranded/solid copper conductor, XLPE insulated, PVC inner sheathed, and PVC sheathed confirming to IS 7098-1 is suitable for AC single phase or three phase (earthed or unearthed) systems with rated voltage up to and including 1100 V. This cable is also suitable for DC systems with rated voltage up to and including 1500 V to earth

## CHARACTERISTICS

**Voltage Rating**  
650/1100 V

**Operation Temperature**  
Max.: 90°C  
Short circuit temperature 250°C

## CONSTRUCTION

- Stranded Copper conductor as per IS 8130, class 1&2
- Insulated with Cross Linked Polyethylene (XLPE) to IS 7098-1
- Extruded inner sheath with PVC Type ST2/FRLS/FR/LSZH
- Sheathed with Extruded PVC Type ST2/FRLS/FR/LSZH

### Core Identification

Red, Yellow, Blue, Black & Grey upto 5Core & 6 Core & above  
Grey with number printing

### Bending Radius

Fixed installation 12 x Overall diameter

## OUTSTANDING FEATURES

- High life
- High Insulation resistance
- Flame retardant
- Low Halogen
- Low smoke
- UV resistant

## STANDARD FOLLOWS

IS 8130:2013  
IS 5831:1984  
IS 7098-1:1988

## COMPLIANCE

Conductor resistance - IS 8130:2013  
Insulation resistance - IS 7098-1:1988  
Flammability test - IEC 60332-1:2015

## OUR ACCREDITATIONS



## APPROVAL



# POLYCAB 2.5 2XY MC IS 7098-P1 CONTROL CABLE 650/1100 V AC

## Weight & Dimension Data

Product code	Number of cores	Nominal Thickness of Insulation	Nominal thickness of outer sheath	Overall Diameter	Weight (Approx.)
	No's	mm	mm	mm	kg/km
LVIS09CXUAY2002C2.5SA003S	2	0.7	1.8	10.9	173
LVIS09CXUAY2003C2.5SA001S	3	0.7	1.8	11.4	202
LVIS09CXUAY2004C2.5SA002S	4	0.7	1.8	12.2	218
LVIS09CXUAY2005C2.5SA003S	5	0.7	1.8	13.1	254
LVIS09CXUAY2006C2.5SA001S	6	0.7	1.8	14	291
LVIS09CXUAY2007C2.5SA001S	7	0.7	1.8	14	313
LVIS09CXUAY2008C2.5SA001S	8	0.7	1.8	16	342
LVIS09CXUAY2009C2.5SA001S	9	0.7	1.8	16.5	385
LVIS09CXUAY2010C2.5SA001S	10	0.7	1.8	17.2	427
LVIS09CXUAY2012C2.5SA001S	12	0.7	1.8	17.7	484
LVIS09CXUAY2014C2.5SA002S	14	0.7	1.8	18.5	551
LVIS09CXUAY2016C2.5SA002S	16	0.7	2	19.8	636
LVIS09CXUAY2019C2.5SA001S	19	0.7	2	20.8	722
LVIS09CXUAY2021C2.5SA001S	21	0.7	2	21.8	769
LVIS09CXUAY2024C2.5SA002S	24	0.7	2	24	864
LVIS09CXUAY2027C2.5SA001S	27	0.7	2	24.5	950
LVIS09CXUAY2030C2.5SA001S	30	0.7	2	25.3	1035
LVIS09CXUAY2033C2.5SA001S	33	0.7	2	26.2	1130
LVIS09CXUAY2037C2.5SA001S	37	0.7	2	27.2	1235
LVIS09CXUAY2044C2.5SA001S	44	0.7	2.2	30.9	1501
LVIS09CXUAY2052C2.5SA002S	52	0.7	2.2	32.2	1719
LVIS09CXUAY2061C2.5SA001S	61	0.7	2.2	34.1	1976

Solid & stranded conductor

The above data is approximate & subject to manufacturing tolerance.

## Electrical parameter

Cross sectional area	Number of cores	Max. DC conductor resistance at 20°C	Current Rating	
Sqmm	No's	Ω/km	In Ground (A)	In Air(A)
2.5	2	7.41	41	36
2.5	3	7.41	34	30
2.5	4	7.41	34	30
2.5	5	7.41	34	30

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# POLYCAB 2.5 2XY MC IS 7098-P1

## CONTROL CABLE 650/1100 V AC

Cross sectional area	Number of cores	Max. DC conductor resistance at 20°C	Current Rating	
Sqmm	No's	Ω/km	In Ground (A)	In Air(A)
2.5	6	7.41	31	27
2.5	7	7.41	27	23
2.5	8	7.41	23	20
2.5	9	7.41	23	20
2.5	10	7.41	23	20
2.5	12	7.41	20	18
2.5	14	7.41	20	18
2.5	16	7.41	18	16
2.5	19	7.41	18	16
2.5	21	7.41	16	14
2.5	24	7.41	16	14
2.5	27	7.41	14	13
2.5	30	7.41	14	13
2.5	33	7.41	14	13
2.5	37	7.41	14	13
2.5	44	7.41	12	11
2.5	52	7.41	12	11
2.5	61	7.41	12	11

Air Ambient temperature: 40°C, ground ambient temperature: 30°C, Conductor operating temperature: 90°C