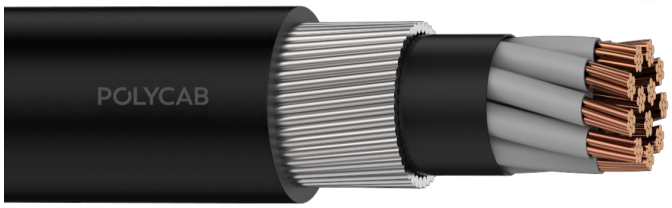
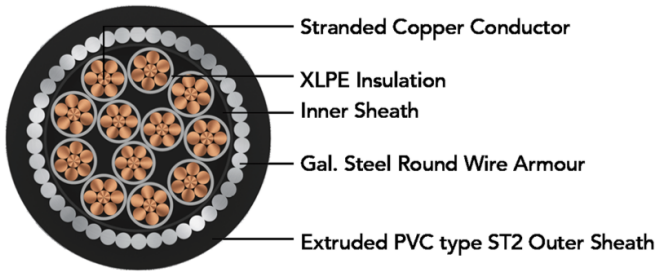
POLYCAB 2.5 2XWY MC IS 7098-P1
CONTROL CABLE 650/1100 V AC





Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB 2.5 2XWY MC, Stranded/solid copper conductor, XLPE insulated, Galvanised Steel round wire armour 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
- Armoured with Galvanised Steel round wire to IS 3975
- 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

Outer sheath colour: Black
*Other colour also available on request.

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 3975:1979
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 2XWY MC IS 7098-P1
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POLYCAB
IDEAS. CONNECTED.

Weight & Dimension Data

Product code	Number of cores	Nominal Thickness of Insulation	Nominal dimension of Armour round wire	Minimum thickness of outer sheath	Overall Diameter	Weight (Approx.)
		mm	mm	mm	mm	kg/km
LVIS09CXSWY2002C2.5SA002S	2	0.7	1.4	1.24	12.7	342
LVIS09CXSWY2003C2.5SA002S	3	0.7	1.4	1.24	13.2	360
LVIS09CXSWY2004C2.5SA002S	4	0.7	1.4	1.24	14	406
LVIS09CXSWY2005C2.5SA002S	5	0.7	1.4	1.24	14.9	464
LVIS09CXSWY2006C2.5SA001S	6	0.7	1.4	1.24	15.9	522
LVIS09CXSWY2007C2.5SA001S	7	0.7	1.4	1.24	15.9	549
LVIS09CXSWY2008C2.5SA001S	8	0.7	1.4	1.24	17	608
LVIS09CXSWY2009C2.5SA001S	9	0.7	1.4	1.4	18.5	684
LVIS09CXSWY2010C2.5SA001S	10	0.7	1.6	1.4	19.6	789
LVIS09CXSWY2012C2.5SA001S	12	0.7	1.6	1.4	20.1	865
LVIS09CXSWY2014C2.5SA001S	14	0.7	1.6	1.4	20.9	944
LVIS09CXSWY2016C2.5SA001S	16	0.7	1.6	1.4	21.9	1023
LVIS09CXSWY2019C2.5SA001S	19	0.7	1.6	1.4	22.8	1147
LVIS09CXSWY2021C2.5SA001S	21	0.7	1.6	1.4	23.9	1243
LVIS09CXSWY2024C2.5SA001S	24	0.7	1.6	1.4	26	1387
LVIS09CXSWY2027C2.5SA002S	27	0.7	1.6	1.4	26.5	1482
LVIS09CXSWY2030C2.5SA001S	30	0.7	1.6	1.4	27.3	1586
LVIS09CXSWY2033C2.5SA001S	33	0.7	1.6	1.56	28.6	1729
LVIS09CXSWY2037C2.5SA001S	37	0.7	1.6	1.56	29.6	1852
LVIS09CXSWY2044C2.5SA002S	44	0.7	2	1.56	33.7	2356
LVIS09CXSWY2052C2.5SA002S	52	0.7	2	1.56	35	2631
LVIS09CXSWY2061C2.5SA002S	61	0.7	2	1.56	36.9	2926

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

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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	5	7.41	34	30
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