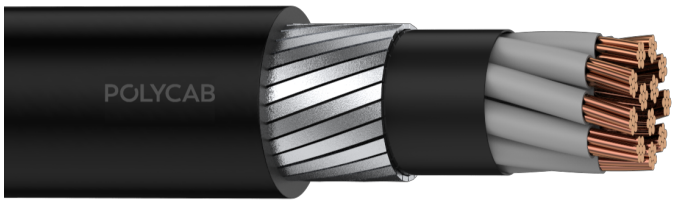
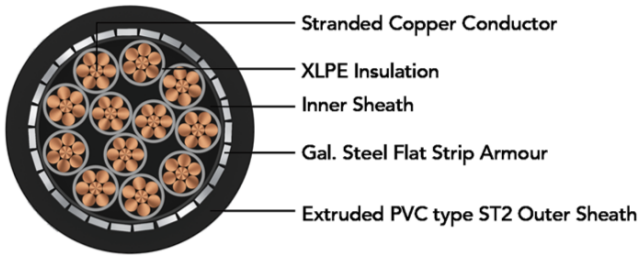
POLYCAB 2.5 2XFY MC IS 7098-P1
CONTROL CABLE 650/1100 V AC





Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB 2.5 2XFY MC, Stranded/solid copper conductor, XLPE insulated, Galvanized Steel strip armor 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 strip to IS 3975
- Extruded inner sheath with PVC Type ST2/FRLS/FR/LSZH
- Sheathed with Extruded PVC Type ST2/FRLS/FR/LSZH

Core Identification
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

NABL

APPROVAL

POLYCAB 2.5 2XFY 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 flat wire	Minimum thickness of outer sheath	Overall Diameter	Weight (Approx.)
	No's	mm	mm	mm	mm	kg/km
LVIS09CXSFY2010C2.5SA001S	10	0.7	4x0.8	1.24	17.8	624
LVIS09CXSFY2012C2.5SA001S	12	0.7	4x0.8	1.4	18.5	694
LVIS09CXSFY2014C2.5SA001S	14	0.7	4x0.8	1.4	19.3	780
LVIS09CXSFY2016C2.5SA001S	16	0.7	4x0.8	1.4	20.2	867
LVIS09CXSFY2019C2.5SA001S	19	0.7	4x0.8	1.4	21.2	960
LVIS09CXSFY2021C2.5SA001S	21	0.7	4x0.8	1.4	22.2	1016
LVIS09CXSFY2024C2.5SA001S	24	0.7	4x0.8	1.4	24.4	1159
LVIS09CXSFY2027C2.5SA002S	27	0.7	4x0.8	1.4	24.9	1235
LVIS09CXSFY2030C2.5SA001S	30	0.7	4x0.8	1.4	25.7	1349
LVIS09CXSFY2033C2.5SA001S	33	0.7	4x0.8	1.4	26.6	1437
LVIS09CXSFY2037C2.5SA001S	37	0.7	4x0.8	1.4	27.6	1567
LVIS09CXSFY2044C2.5SA001S	44	0.7	4x0.8	1.56	31.3	1862
LVIS09CXSFY2052C1.5SA001S	52	0.7	4x0.8	1.56	32.6	2109
LVIS09CXSFY2061C2.5SA001S	61	0.7	4x0.8	1.56	34.5	2375

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	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

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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	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