



Images not to scale. Follow table for dimensions

APPLICATION

POLY CAB 1.5 2XFY MC, Stranded/solid copper conductor, XLPE insulated, PVC inner sheathed, Galvanized Steel strip armor and PVC sheathed confirming to IS 7098-1 is suitable for AC single phase or three phase (earthed or unearthing) 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 AC

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 colours are 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



POLY CAB 1.5 2XFY MC IS 7098-P1 CONTROL CABLE 650/1100 V AC

POLY CAB
IDEAS. CONNECTED.

Weight & Dimension Data

Product code	Cross sectional area	Number of cores	Nominal Thickness of Insulation	Nominal dimension of Armour flat wire	Minimum thickness of outer sheath	Nominal Overall Diameter	Weight (Approx.)
	Sqmm	No's	mm	mm	mm	mm	kg/km
LVIS09CXSFY2016C1.5SA001S	1.5	16	0.7	4x0.8	1.4	18.5	651
LVIS09CXSFY2019C1.5SA001S	1.5	19	0.7	4x0.8	1.4	19.3	736
LVIS09CXSFY2021C1.5SA001P	1.5	21	0.7	4x0.8	1.4	20.2	788
LVIS09CXSFY2024C1.5SA001S	1.5	24	0.7	4x0.8	1.4	22.1	874
LVIS09CXSFY2027C1.5SA001S	1.5	27	0.7	4x0.8	1.4	22.5	950
LVIS09CXSFY2030C1.5SA001S	1.5	30	0.7	4x0.8	1.4	23.2	1016
LVIS09CXSFY2033C1.5SA001S	1.5	33	0.7	4x0.8	1.4	24.1	1102
LVIS09CXSFY2037C1.5SA001S	1.5	37	0.7	4x0.8	1.4	24.9	1168
LVIS09CXSFY2044C1.5SA001S	1.5	44	0.7	4x0.8	1.4	27.7	1358
LVIS09CXSFY2052C1.5SA001S	1.5	52	0.7	4x0.8	1.56	29.2	1548
LVIS09CXSFY2061C1.5SA001S	1.5	61	0.7	4x0.8	1.56	31.1	1757

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)
1.5	16	12.1				14	12
1.5	19	12.1				14	12
1.5	21	12.1				12	11
1.5	24	12.1				12	11
1.5	27	12.1				11	9
1.5	30	12.1				11	9
1.5	33	12.1				11	9
1.5	37	12.1				11	9
1.5	44	12.1				9	8
1.5	52	12.1				9	8
1.5	61	12.1				9	8

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

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