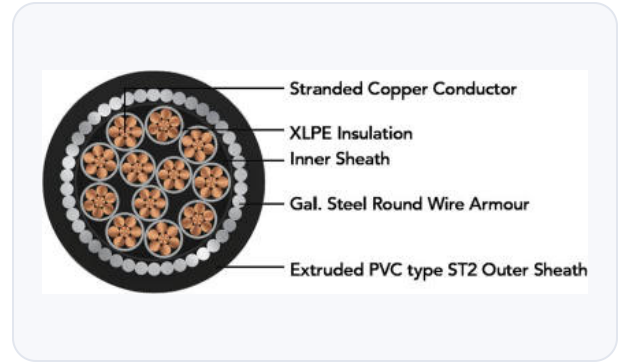


MULTICORE CONTROL CABLE · XLPE · STEEL WIRE ARMoured · IS 7098-1

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



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES 2.5 2XWY MC, Stranded/solid copper conductor, XLPE insulated, Galvanized 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.

CONSTRUCTION

- 01 Stranded Copper conductor as per IS 8130, class 1&2
- 02 Insulated with Cross Linked Polyethylene (XLPE) to IS 7098-1
- 03 Extruded inner sheath with PVC Type ST2/FRLS/FR/LSZH
- 04 Armoured with Galvanised Steel round wire to IS 3975
- 05 Sheathed with Extruded PVC Type ST2/FRLS/FR/LSZH

CHARACTERISTICS

VOLTAGE RATING	650/1100 V
OPERATION TEMPERATURE	Max. : 90°C
SHORT CIRCUIT TEMPERATURE	250°C
CORE IDENTIFICATION	 Red, Yellow, Blue, Black & Grey upto 5 Core & 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 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

ACCREDITATIONS & APPROVAL



ISI



ISO 9001


Make in
India

IS 7098-1 · CM/L 6200267409

TABLE 1 WEIGHT AND DIMENSION DATA

PRODUCT CODE	NUMBER OF CORES	NOMINAL THICKNESS OF INSULATION mm	NOMINAL DIMENSION OF ARMOUR ROUND WIRE mm	MINIMUM THICKNESS OF OUTER SHEATH mm	OVERALL DIAMETER mm	WEIGHT (APPROX.) kg/km
IC-CT-02-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	2	0.7	1.4	1.24	12.7	342
IC-CT-03-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	3	0.7	1.4	1.24	13.2	360
IC-CT-04-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	4	0.7	1.4	1.24	14	406
IC-CT-05-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	5	0.7	1.4	1.24	14.9	464
IC-CT-06-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	6	0.7	1.4	1.24	15.9	522
IC-CT-07-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	7	0.7	1.4	1.24	15.9	549
IC-CT-08-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	8	0.7	1.4	1.24	17	608
IC-CT-09-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	9	0.7	1.4	1.4	18.5	684
IC-CT-10-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	10	0.7	1.6	1.4	19.6	789
IC-CT-12-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	12	0.7	1.6	1.4	20.1	865
IC-CT-14-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	14	0.7	1.6	1.4	20.9	944
IC-CT-16-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	16	0.7	1.6	1.4	21.9	1023
IC-CT-19-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	19	0.7	1.6	1.4	22.8	1147
IC-CT-21-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	21	0.7	1.6	1.4	23.9	1243
IC-CT-24-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	24	0.7	1.6	1.4	26	1387
IC-CT-27-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	27	0.7	1.6	1.4	26.5	1482
IC-CT-30-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	30	0.7	1.6	1.4	27.3	1586
IC-CT-33-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	33	0.7	1.6	1.56	28.6	1729
IC-CT-37-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	37	0.7	1.6	1.56	29.6	1852
IC-CT-44-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	44	0.7	2	1.56	33.7	2356
IC-CT-52-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	52	0.7	2	1.56	35	2631
IC-CT-61-00250-CU-2XL-2XWY-1100-IS7098P1-FRLS	61	0.7	2	1.56	36.9	2926

Solid & stranded conductor. The above data is approximate & subject to manufacturing tolerance.

Product codes follow the Indo Cables product-code structure: IC – LINE – CORES – SIZE – CONDUCTOR – INSULATION – DESIGNATION – VOLTAGE – STANDARD – OPTION. 2XWY denotes XLPE insulation, round steel wire armour and PVC sheath; FRLS the flame-retardant low-smoke sheath option. Codes for 2, 3, 4, 9, 21 and 33 cores are pending entry in the Item Master register.

TABLE 2 ELECTRICAL PARAMETER

Maximum DC conductor resistance and current rating.

CROSS SECTIONAL AREA Sqmm	NUMBER OF CORES No 's	MAX. DC CONDUCTOR RESISTANCE AT 20°C Ω/km	CURRENT RATING	
			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
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.

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carrying the tagline EVERY CONNECTION MATTERS. No supplied logo file contains it and the design system has no confirmed tagline, so the header prints the stacked lockup alone; supply that lockup, or confirm the tagline, to set it.