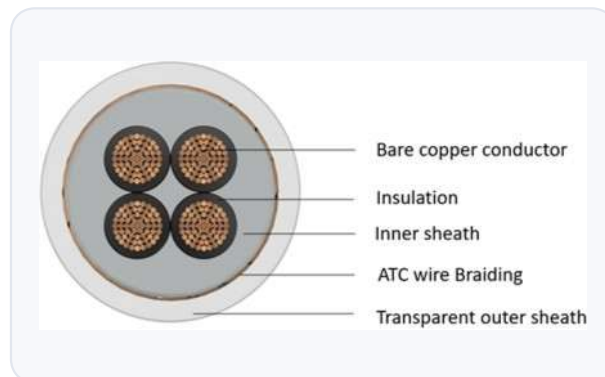


MULTICORE FLEXIBLE SCREENED CONTROL CABLE · CLASS 5 COPPER · PVC INSULATED · TINNED COPPER BRAID · TRANSPARENT PVC SHEATH · BS EN 50525-2-51

INDOCABLES CLASSIC 110 CY SCREENED CONTROL CABLE

300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES CLASSIC 110 CY, fine wire flexible copper conductor, PVC insulated, Tinned copper wire braiding with transparent PVC outer sheath is designed to use for Plant engineering, Industrial machinery, Heat & air-conditioning system. Also suitable for conveyor & transport system and EMC (Electromagnetic compatibility) sensitive environment.

CONSTRUCTION

- 01 **Conductor:** Fine wire stranded bare copper conductor as per IEC 60228/VDE 0295, class 5
- 02 **Insulation:** In-house developed special PVC compound
- 03 **Laid up:** insulated core laid suitably.
- 04 **Inner Sheath:** PVC inner sheath (Colour: Grey)
- 05 **Sheath:** In-house developed transparent PVC compound (Colour: Transparent)

CHARACTERISTICS

VOLTAGE RATING	U_0/U : 300/500 V
OPERATION TEMPERATURE	-15°C to + 90° C
CORE IDENTIFICATION	Black with white numbering according to VDE 0293-334
BENDING RADIUS	Occasional flexing 10 x Overall diameter Fixed installation 6 x Overall diameter
TEST VOLTAGE	2 kV (completed cable)

OUTSTANDING FEATURES


FLAME RETARDANT

UV RESISTANT

ELECTROMAGNETIC COMPATIBILITY

STANDARD FOLLOWS

IEC 60228/VDE 0295

BS EN 50525-2-51

IEC 60227-5

VDE 0281-13

COMPLIANCE

Conductor resistance IEC 60228

Flame retardant IEC 60332-1-2

ACCREDITATIONS & APPROVAL



ISI



ISO 9001

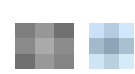


Make in India

CM/L 6200267207

TABLE 1 WEIGHT & DIMENSION DATA

PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (Approx.) mm	WEIGHT (Approx.) Kg/km
0.5 MM² CONDUCTOR			
IC-CT-02-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 0.5	6.8	78
IC-CT-03-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	3 G 0.5	7.1	87
IC-CT-03-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	3 X 0.5	7.1	87
IC-CT-04-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 0.5	7.7	101
IC-CT-04-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	4 X 0.5	7.7	101
IC-CT-05-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 0.5	8.2	109
IC-CT-05-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	5 X 0.5	8.2	109
IC-CT-07-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 0.5	8.9	128
IC-CT-07-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	7 X 0.5	8.9	128
IC-CT-12-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	12 G 0.5	11.3	196
IC-CT-12-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	12 X 0.5	11.3	196
IC-CT-18-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	18 G 0.5	13.3	288
IC-CT-25-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	25 G 0.5	15.4	373
IC-CT-30-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	30 G 0.5	16.3	421



PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (Approx.) mm	WEIGHT (Approx.) Kg/km
IC-CT-40-00050-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	40 G 0.5	18.4	538
0.75 MM² CONDUCTOR			
IC-CT-02-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 0.75	7.2	89
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	3 G 0.75	7.6	101
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	3 X 0.75	7.6	101
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 0.75	8.2	119
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	4 X 0.75	8.2	119
IC-CT-05-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 0.75	8.8	129
IC-CT-05-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	5 X 0.75	8.8	129
IC-CT-07-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 0.75	9.5	154
IC-CT-07-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	7 X 0.75	9.5	154
IC-CT-12-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	12 G 0.75	12.4	245
IC-CT-12-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	12 X 0.75	12.4	245
IC-CT-18-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	18 G 0.75	14.4	351
IC-CT-18-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	18 X 0.75	14.4	351
IC-CT-25-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	25 G 0.75	16.7	458
IC-CT-34-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	34 G 0.75	19.2	595
IC-CT-40-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	40 X 0.75	20	667
IC-CT-41-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	41 G 0.75	20.7	693
1 MM² CONDUCTOR			
IC-CT-02-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 1	7.7	101
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	3 G 1	8.1	116
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	3 X 1	8.1	116
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 1	8.7	138
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	4 X 1	8.7	138
IC-CT-05-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 1	9.4	150
IC-CT-07-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 1	10.2	180
IC-CT-12-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	12 G 1	13.4	304
IC-CT-16-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	16 G 1	14.8	377
IC-CT-18-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	18 G 1	15.5	416
IC-CT-25-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	25 G 1	18.3	556
IC-CT-34-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	34 G 1	20.8	712



PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (Approx.) mm	WEIGHT (Approx.) Kg/km
IC-CT-41-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	41 G 1	22.5	832
IC-CT-50-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	50 G 1	24.4	993
1.5 MM² CONDUCTOR			
IC-CT-02-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 1.5	8.7	131
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	3 G 1.5	9.2	151
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	3 X 1.5	9.2	151
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 1.5	10	181
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	4 X 1.5	10	181
IC-CT-05-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 1.5	10.8	197
IC-CT-05-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	5 X 1.5	10.8	197
IC-CT-07-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 1.5	12	246
IC-CT-07-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR *	7 X 1.5	12	246
IC-CT-12-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	12 G 1.5	15.6	408
IC-CT-18-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	18 G 1.5	18.4	574
IC-CT-25-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	25 G 1.5	21.4	759
IC-CT-34-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	34 G 1.5	24.8	1022
IC-CT-41-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	41 G 1.5	26.8	1196
IC-CT-50-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	50 G 1.5	28.9	1409
2.5 MM² CONDUCTOR			
IC-CT-02-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 2.5	10.2	180
IC-CT-03-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	3 G 2.5	10.8	212
IC-CT-04-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 2.5	12	263
IC-CT-05-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 2.5	13.2	303
IC-CT-07-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 2.5	14.3	371
IC-CT-12-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	12 G 2.5	18.9	605
4 MM² CONDUCTOR			
IC-CT-02-00400-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 4	12.5	268
IC-CT-04-00400-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 4	14.6	404
IC-CT-05-00400-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 4	16	441
6 MM² CONDUCTOR			
IC-CT-02-00600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 6	13.9	354

PRODUCT CODE	NO. OF CORE AND CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (Approx.) mm	WEIGHT (Approx.) Kg/km
IC-CT-04-00600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 6	14.6	469
IC-CT-05-00600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 6	16	522
IC-CT-07-00600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 6	17.4	669
10 MM² CONDUCTOR			
IC-CT-02-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 10	17.1	537
IC-CT-03-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	3 G 10	18.4	662
IC-CT-04-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 10	20.2	818
IC-CT-05-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 10	22.2	899
IC-CT-07-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	7 G 10	24.5	1160
16 MM² CONDUCTOR			
IC-CT-02-01600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	2 X 16	19.7	742
IC-CT-04-01600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 16	23.1	1134
IC-CT-05-01600-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 16	25.8	1292
25 MM² CONDUCTOR			
IC-CT-04-02500-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 25	28.1	1718
IC-CT-05-02500-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 25	31.2	1909
35 MM² CONDUCTOR			
IC-CT-04-03500-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	4 G 35	31.7	2269
IC-CT-05-03500-CU-PVC-H05VK-0300-IEC60227P5-FR-OSCR	5 G 35	34.9	2513

Above values are approximate and subject to standard manufacturing tolerance

Product codes follow the Indo Cables product-code structure: IC – LINE – CORES – SIZE – CONDUCTOR – INSULATION – DESIGNATION – VOLTAGE – STANDARD – OPTION. CT denotes the control-cable line, H05VK the multicore PVC flexible class 5 construction at 300/500 V, IEC60227P5 the IEC 60227-5 standard, FR the flame-retardant compound and OSCR the overall braid screen. Rows are grouped by conductor size; every value is reproduced from the source sheet. All 69 distinct codes on this sheet are derived from the code structure and are pending entry in the Item Master. * marks a row that repeats the code of the row above it.

FLAGGED FOR CONFIRMATION

- No row on this sheet is in the register. The Item Master carries no item on IEC 60227-5 and no screened item outside the instrumentation and communication lines. The STANDARD block on tab 5 REF TABLES holds IEC60227P7 but no IEC60227P5, and no value for BS EN 50525-2-51 or VDE 0281-13. All 69 distinct codes are derived from the code structure and need typed rows before these items go ACTIVE.
- The closest register family is unscreened. The Item Master holds 219 PVC / H05VK / 300–500 V class 5 items — all on line FX, standard IS694, licence CM/L 6200267207, options NONE, FR or FRLS — and 37 of this sheet's 69 core-and-size combinations match one of the FR rows exactly, reading IC-FX-nn-nnnnn-CU-PVC-H05VK-0300-IS694-FR. None of them carries a screen. This sheet follows sheets CC-07, CC-12 and CC-13 instead, which carry line CT and IEC60227P5. Confirm which family the CLASSIC sheets should use.



- 03 Every old code on this sheet ends IS694 — IS 694, the Indian standard for PVC insulated cables and cords — while the sheet's own Standard-follows block lists IEC 60228/VDE 0295, BS EN 50525-2-51, IEC 60227-5 and VDE 0281-13, no Indian Standard. The derived codes carry IEC60227P5. Confirm which standard governs the item.
- 04 Six of the 14 core counts on this sheet are absent from the CORES block on tab 5: 18, 25, 34, 40, 41 and 50. They must be typed into that block before the workbook can build these codes.
- 05 The code structure has no G / X segment, so a G variant (with green/yellow protective core) and its X variant carry the same code. Seventeen rows repeat the code of the row above, as they do in the source sheet, where the same old code is printed against both variants.
- 06 The structure cannot distinguish this tinned-copper braid (CY) from the galvanised steel braid on sheet CC-15 (SY) — both carry the braid as the 0SCR overall-screen option. Add a braid-material segment or separate CY / SY designations.
- 07 The structure allows two options and both are used: FR carries the flame-retardant compliance line (IEC 60332-1-2) and 0SCR the braid screen. The sheet's ozone-resistant, UV-resistant and EMC claims are therefore not carried anywhere in the code, although the OPTION block does hold a UV value.
- 08 The Construction block in the source does not name the braid. It lists conductor, insulation, laid up, inner sheath and sheath only, while the Application paragraph and the cross-section drawing both carry the tinned copper wire braiding. Reproduced as written; add the braid to Construction if the source is to be corrected.
- 09 The source runs two construction items into one line: Insulation: In-house developed special PVC compound Laid up: insulated core laid suitably. They are shown here as items 02 and 03, with the wording unchanged.
- 10 Operation temperature reads -15°C to + 90° C in the source, with the degree sign detached from the upper value. Reproduced as written.
- 11 The source carries no current-carrying capacity, conductor resistance or de-rating table. This sheet therefore ends at dimensional data; the electrical tables are needed to complete it.
- 12 The source sheet's Our Accreditations area carried a NABL laboratory mark. It has been removed and replaced with the ISI mark and the ISO 9001 badge, both printed on every sheet. No Indian Standard governs this product, so no BIS licence covers it: the licence line shows CM/L 6200267207, the licence carried on sheets CC-07 and CC-13, and it does not certify this product against IEC 60227-5. Confirm the correct licence, or hide the line from Tweaks.
- 13 The supplied icon set has no ozone-resistance icon. The Ozone resistant tile is a labelled placeholder at icon size, awaiting an illustrated icon in the house style.
- 14 The ISO 9001 mark is a 52 × 53 px crop from a supplied screenshot and prints well below the resolution a 300 dpi sheet needs; supply a vector or print-resolution file. No RoHS or REACH mark is printed: no control-cable source sheet claims either, so the marks would be an unsupported compliance claim. Confirm whether the range is RoHS and REACH certified and supply those logo files if it is. The Make in India mark is a 76 × 39 px crop from a supplied screenshot and prints at roughly a quarter of the resolution a 300 dpi sheet needs; supply a print-resolution file or hold the mark off the sheet. The reference header shows a lockup 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.