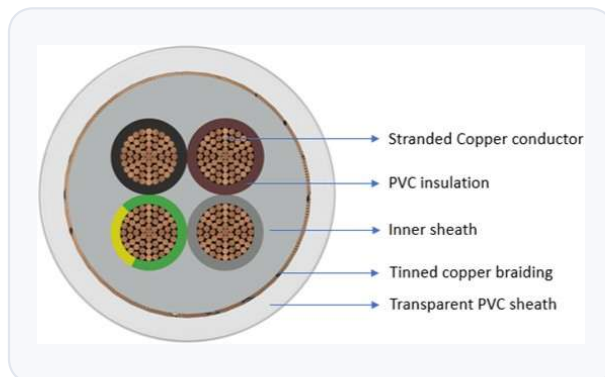


MULTICORE FLEXIBLE SCREENED CABLE · CLASS 5 COPPER · PVC INSULATED · TINNED COPPER BRAID · TRANSPARENT PVC SHEATH · IEC 60227-7

INDOCABLES CLASSIC 100 CY INDUSTRIAL CABLE

450/750 V AC



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES CLASSIC 100 CY, fine wire flexible copper conductor, PVC insulated and sheathed screened cable is designed to use in Industrial application such as plant engineering, industrial machinery, heating and air conditioning system, conveyor and transport system, servo drives and also in EMC sensitive environment.

CONSTRUCTION

- 01 **Conductor:** Class 5 Bare Copper conductor according to IEC 60228/VDE 0295
- 02 **Insulation:** Inhouse developed PVC compound
- 03 **Laid up:** Cores laid up
- 04 **Inner sheath:** Inhouse developed PVC inner sheath. Colour: Grey
- 05 **Braiding:** Tinned copper braiding

CHARACTERISTICS

VOLTAGE RATING	U_0/U : 450/750 V
OPERATION TEMPERATURE	-15°C to +70° C
CORE IDENTIFICATION	Upto 5 core colour code is according to VDE 0293-308 From 6 core colour code is according to annexure 1
BENDING RADIUS	Fixed installation 6 X D Occasional flexing 10 X D
TEST VOLTAGE	Voltage test on complete cable at 3500 V

06 **Sheath:** Inhouse developed PVC compound.
 Colour: Transparent

OUTSTANDING FEATURES



FLAME RETARDANT



UV RESISTANT



MOISTURE RESISTANT



LOW TRANSFER IMPEDANCE

STANDARD FOLLOWS

IEC 60228/VDE 0295

IEC 60227-7

BS EN 50525 (Part 2-51) 2011

BS EN 50525 (Part 2-31) 2011

COMPLIANCE

Conductor resistance IEC 60228

Flame retardant IEC 60332-1-2

ACCREDITATIONS & APPROVAL



ISI



ISO 9001

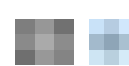


Make in India

CM/L 6200267207

TABLE 1 DIMENSIONAL CHARACTERISTICS

PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
1.5 MM² CONDUCTOR			
IC-CT-02-00150-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	2 X 1.5	9.8	159.1
IC-CT-03-00150-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 1.5	10.3	180.8
IC-CT-04-00150-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 1.5	11.3	217.3
IC-CT-05-00150-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 1.5	12.3	238.5
IC-CT-07-00150-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	7 G 1.5	13.3	290.8
2.5 MM² CONDUCTOR			
IC-CT-03-00250-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 2.5	11.9	246.9
IC-CT-04-00250-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 2.5	13.2	306.4
IC-CT-05-00250-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 2.5	14.6	352.7
IC-CT-07-00250-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	7 G 2.5	15.9	431.6



PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
4.0 MM² CONDUCTOR			
IC-CT-04-00400-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 4.0	14.8	415
IC-CT-05-00400-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 4.0	16.4	503.1
6.0 MM² CONDUCTOR			
IC-CT-04-00600-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 6.0	16.4	533.7
IC-CT-05-00600-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 6.0	17.9	588.1
10 MM² CONDUCTOR			
IC-CT-03-01000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 10.0	17.9	653.2
IC-CT-04-01000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 10.0	19.8	815
IC-CT-05-01000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 10.0	21.6	901.3
16 MM² CONDUCTOR			
IC-CT-03-01600-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 16.0	20.5	904.5
IC-CT-04-01600-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 16.0	22.5	1119.6
IC-CT-05-01600-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 16.0	25	1291.1
25 MM² CONDUCTOR			
IC-CT-03-02500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 25.0	24.5	1321.5
IC-CT-04-02500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 25.0	27.3	1691.8
IC-CT-05-02500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 25.0	30	1895.8
35 MM² CONDUCTOR			
IC-CT-03-03500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 35.0	27.5	1760.5
IC-CT-04-03500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 35.0	30.5	2227.8
IC-CT-05-03500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	5 G 35.0	33.6	2506.3
50 MM² CONDUCTOR			
IC-CT-03-05000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	3 G 50.0	32.1	2434.2
IC-CT-04-05000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 50.0	35.6	3079.4
70 TO 185 MM² CONDUCTOR — 4 CORE			
IC-CT-04-07000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 70.0	40.8	4194.5
IC-CT-04-09500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 95.0	46.7	5458.1
IC-CT-04-12000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 120.0	50.9	6710
IC-CT-04-15000-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 150.0	56.2	8268.7
IC-CT-04-18500-CU-PVC-H07VK-0450-IEC60227P7-FR-OSCR	4 G 185.0	62	10011.8

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, H07VK the PVC flexible class 5 construction at 450/750 V, 0450 the 450/750 V grade, IEC60227P7 the IEC 60227-7 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 32 codes on this sheet are derived from the code structure and are pending entry in the Item Master.

FLAGGED FOR CONFIRMATION

- 01 No row on this sheet is in the register. The Item Master holds 672 control-cable items, every one of them at 1100 V on IS 7098 Part 1, IS 1554 Part 1 or IS 17505 Part 1 — none at the 450/750 V grade, and no item anywhere in the register on IEC 60227-7. All 32 codes are derived from the code structure and need typed rows before these items go ACTIVE.
- 02 Every old code on the source sheet ends IS694 — for example CTC02C1.5PCTCFRIS694 — while the Standard-follows block lists IEC 60228/VDE 0295, IEC 60227-7, BS EN 50525 (Part 2-51) 2011 and BS EN 50525 (Part 2-31) 2011, and not IS 694. The code carries one standard. These codes carry IEC60227P7, the register's value for IEC 60227-7 and the value used on sheets CC-05, CC-07 and CC-15. Confirm which standard governs this item; the STANDARD block on tab 5 REF TABLES has no value for BS EN 50525-2-51 or 2-31.
- 03 The source sheet repeats one old code across different items. CTC04C004PCTCFRIS694 is printed against both 4 G 4.0 and 5 G 4.0, CTC04C006PCTCFRIS694 against both 4 G 6.0 and 5 G 6.0, and CTC04C010PCTCFRIS694 against 3 G, 4 G and 5 G 10.0 — and every code from 4.0 mm² up reads CTC04C... regardless of core count. The new codes take the core count from the table, one code per row. Confirm the core counts are right.
- 04 The DESIGNATION block holds no multicore 450/750 V flexible value. H07VK is defined as a single-core PVC flexible class 5 cable at 450/750 V and is used on 72 house-wire rows, all single core; H05VK is the multicore class 5 value but fixed at 300/500 V. H07VK is used here because the voltage grade matches the sheet. Add a multicore 450/750 V designation to tab 5.
- 05 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 OSCR overall-screen option. Add a braid-material segment or separate CY / SY designations.
- 06 The structure allows two options and both are used: FR carries the flame-retardant compliance line (IEC 60332-1-2) and OSCR the braid screen. The sheet's UV-resistant, moisture-resistant and low-transfer-impedance claims are therefore not carried anywhere in the code.
- 07 Core identification refers to annexure 1 for 6 cores and above, and the sheet lists 7-core sizes. No annexure is attached to the source sheet, so the colour code for those sizes is missing.
- 08 Operation temperature reads -15°C to +70° C in the source, with the degree sign detached from the upper value. Reproduced as written.
- 09 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.
- 10 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 sheet CC-07, and it does not certify this product against IEC 60227-7. Confirm the correct licence, or hide the line from Tweaks.
- 11 The supplied icon set has no low-transfer-impedance icon. The EMI-shielding icon from the set is used for that tile; commission a matching illustrated icon if a dedicated one is wanted.
- 12 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.