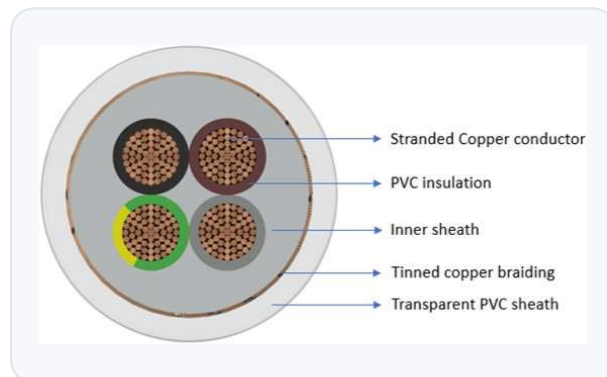


MULTICORE FLEXIBLE SCREENED CABLE · CLASS 5 COPPER · PVC INSULATED · TINNED COPPER BRAID · TRANSPARENT PVC SHEATH · IEC 60227-7

INDOCABLES CLASSIC 100 CY INDUSTRIAL CABLE

300/500 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 : 300/500 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 2000 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

VDE 0281 Part-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 DIMENSIONAL CHARACTERISTICS

PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
0.5 MM² CONDUCTOR			
IC-CT-02-00050-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	2 X 0.5	7.4	89.1
IC-CT-03-00050-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	3 G 0.5	7.7	98.2
IC-CT-04-00050-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 0.5	8.2	111.8
IC-CT-05-00050-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	5 G 0.5	8.7	119.1
IC-CT-07-00050-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	7 G 0.5	9.2	137.9
0.75 MM² CONDUCTOR			
IC-CT-02-00075-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	2 X 0.75	7.8	101
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	3 G 0.75	8.2	112.7
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 0.75	8.7	129.6
IC-CT-05-00075-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	5 G 0.75	9.2	138.7
IC-CT-07-00075-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	7 G 0.75	9.8	162.8
1.0 MM² CONDUCTOR			
IC-CT-02-00100-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	2 X 1.0	8.2	111.9
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	3 G 1.0	8.5	126.1
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 1.0	9.1	146.1
IC-CT-05-00100-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	5 G 1.0	9.7	156.9
IC-CT-07-00100-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	7 G 1.0	10.5	192
1.5 MM² CONDUCTOR			
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	3 G 1.5	9.4	158.1
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 1.5	10.1	185.4
2.5 MM² CONDUCTOR			
IC-CT-03-00250-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	3 G 2.5	10.8	214.6
IC-CT-04-00250-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 2.5	11.8	262
4.0 TO 50 MM² CONDUCTOR — 4 CORE			
IC-CT-04-00400-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 4.0	13.4	363.4
IC-CT-04-00600-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 6.0	16.6	537.1
IC-CT-04-01000-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 10.0	19.7	809.9
IC-CT-04-01600-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 16.0	22.3	1103.4
IC-CT-04-02500-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 25.0	26.6	1647.3

PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
IC-CT-04-03500-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 35.0	29.5	2150.4
IC-CT-04-05000-CU-PVC-H05VK-0300-IEC60227P7-FR-OSCR	4 G 50.0	34.2	2957

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, 0300 the 300/500 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 26 codes on this sheet are derived from the code structure and are pending entry in the Item Master.

FLAGGED FOR CONFIRMATION

- 01 Every code on this sheet is identical to the code generated for sheet CC-15, the Classic 100 SY at the same 300/500 V grade. The structure carries a braid as the OSCR overall-screen option and has no segment for braid material, so the tinned copper braid here and the galvanised steel braid on CC-15 collide code for code. Add a braid-material segment or separate CY / SY designations before either sheet goes ACTIVE.
- 02 No row on this sheet is in the register. The Item Master holds no item anywhere on IEC 60227-7, and its 672 control-cable items are all at 1100 V on IS 7098 Part 1, IS 1554 Part 1 or IS 17505 Part 1. All 26 codes are derived from the code structure and need typed rows.
- 03 Every old code on the source sheet ends IS694 — for example CTC02C0.5PCTCFRIS694 — while the Standard-follows block lists IEC 60228/VDE 0295, IEC 60227-7, BS EN 50525 (Part 2-51) 2011 and VDE 0281 Part-13, 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, CC-15 and CC-17. Confirm which standard governs this item; the STANDARD block on tab 5 REF TABLES has no value for BS EN 50525-2-51 or VDE 0281-13.
- 04 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.
- 05 Core identification refers to annexure 1 for 6 cores and above, and the sheet lists 7-core sizes at 0.5, 0.75 and 1.0 mm². No annexure is attached to the source sheet, so the colour code for those sizes is missing.
- 06 Operation temperature reads -15°C to +70° C in the source, with the degree sign detached from the upper value. Reproduced as written.
- 07 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.
- 08 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, CC-15 and CC-17, and it does not certify this product against IEC 60227-7. Confirm the correct licence, or hide the line from Tweaks.
- 09 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.



- 10 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.