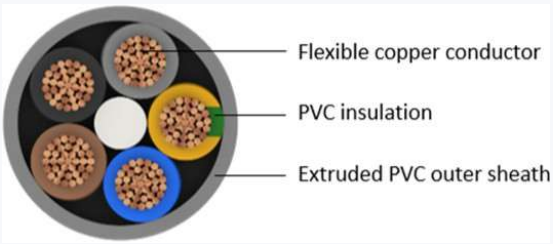
MULTICORE FLEXIBLE INDUSTRIAL CABLE · CLASS 5 COPPER · PVC INSULATED AND SHEATHED · IEC 60227-7

INDOCABLES CLASSIC 100 INDUSTRIAL CABLE

300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES CLASSIC 100, fine wire flexible copper conductor, PVC insulated and sheathed cable is designed to use in Industrial application such as plant engineering, industrial machinery, power station and also suitable to use in dry or damp area with medium mechanical loads & in wind turbine generator.

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 **Sheath:** Inhouse developed PVC compound. Colour: Gray

CHARACTERISTICS

VOLTAGE RATING	U_0/U: 300/500 V
OPERATION TEMPERATURE	-15°C to +70° Cl
CORE IDENTIFICATION	Upto 5 core colour code is according to VDE 0293-308 From 6 core colour code is according to annexture 1
SHEATH COLOUR	Gray
BENDING RADIUS	Fixed installation: 6 X D Occasional flexing: 10 X D

OUTSTANDING FEATURES

- FLAME RETARDANT
- UV RESISTANT
- MOISTURE RESISTANT

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
Test voltage Voltage test on complete cable	2000 V

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
IC-CT-02-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	2 X 0.5	4.8	36.7
IC-CT-03-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 0.5	5.3	45.8
IC-CT-03-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	3 X 0.5	5.3	45.8
IC-CT-04-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 0.5	5.7	55.4
IC-CT-04-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	4 X 0.5	5.7	55.4
IC-CT-05-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 0.5	6.3	59.6
IC-CT-05-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	5 X 0.5	6.3	59.6
IC-CT-06-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	6 G 0.5	6.8	70.7
IC-CT-07-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 0.5	6.8	74
IC-CT-08-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	8 G 0.5	7.6	84.3
IC-CT-10-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	10 G 0.5	8.8	109.9
IC-CT-12-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	12 G 0.5	9.1	121.9
IC-CT-14-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	14 G 0.5	9.5	138.6
IC-CT-16-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	16 G 0.5	10	156.2

Parth Chhaperia +918073533289 **Aryan Chhaperia** +918088107850 **Neelmani Chaudhary** +91 7011005815
cables@micagroup.net

PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
IC-CT-21-00050-CU-PVC-H05VK-0300-IEC60227P7-FR *	21 G 0.5	11.3	200.1
IC-CT-24-00050-CU-PVC-H05VK-0300-IEC60227P7-FR	24 G 0.5	12.5	230.5
IC-CT-40-00050-CU-PVC-H05VK-0300-IEC60227P7-FR *	40 G 0.5	15.1	358.8
IC-CT-02-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	2 X 0.75	5.4	47.7
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 0.75	5.7	56.7
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	3 X 0.75	5.7	56.7
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 0.75	6.2	69.2
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	4 X 0.75	6.2	69.2
IC-CT-05-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 0.75	6.9	74.7
IC-CT-05-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	5 X 0.75	6.9	74.7
IC-CT-06-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	6 G 0.75	7.5	89
IC-CT-07-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 0.75	7.5	93.9
IC-CT-08-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	8 G 0.75	8.5	111.1
IC-CT-09-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	9 G 0.75	9.2	123.8
IC-CT-10-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	10 G 0.75	9.6	139.2
IC-CT-12-00075-CU-PVC-H05VK-0300-IEC60227P7-FR	12 G 0.75	9.9	155.6
IC-CT-15-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	15 G 0.75	11.2	196.7
IC-CT-18-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	18 G 0.75	11.8	230.5
IC-CT-21-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	21 G 0.75	12.4	257.8
IC-CT-25-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	25 G 0.75	13.9	313.4
IC-CT-40-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	40 G 0.75	16.7	474.6
IC-CT-50-00075-CU-PVC-H05VK-0300-IEC60227P7-FR *	50 G 0.75	18.9	594.2
IC-CT-02-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	2 X 1.0	5.7	55.8
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 1.0	6.1	66.9
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	3 X 1.0	6.1	66.9
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 1.0	6.6	82.2
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	4 X 1.0	6.6	82.2
IC-CT-05-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 1.0	7.3	89.1
IC-CT-05-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	5 X 1.0	7.3	89.1
IC-CT-06-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	6 G 1.0	8.1	110.3
IC-CT-07-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 1.0	8.1	116.9

PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
IC-CT-08-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	8 G 1.0	9.1	133.2
IC-CT-10-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	10 G 1.0	10.3	167.3
IC-CT-12-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	12 G 1.0	10.8	196.7
IC-CT-16-00100-CU-PVC-H05VK-0300-IEC60227P7-FR	16 G 1.0	12	249.4
IC-CT-18-00100-CU-PVC-H05VK-0300-IEC60227P7-FR *	18 G 1.0	12.6	279.2
IC-CT-20-00100-CU-PVC-H05VK-0300-IEC60227P7-FR *	20 G 1.0	13.5	307.9
IC-CT-25-00100-CU-PVC-H05VK-0300-IEC60227P7-FR *	25 G 1.0	14.9	380.3
IC-CT-02-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	2 X 1.5	6.6	75.4
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 1.5	7	91.3
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	3 X 1.5	7	91.3
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 1.5	7.6	112.9
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	4 X 1.5	7.6	112.9
IC-CT-05-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 1.5	8.6	126.1
IC-CT-05-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	5 X 1.5	8.6	126.1
IC-CT-07-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 1.5	9.4	160.4
IC-CT-08-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	8 G 1.5	10.8	188.3
IC-CT-12-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	12 G 1.5	12.6	271.9
IC-CT-14-00150-CU-PVC-H05VK-0300-IEC60227P7-FR	14 G 1.5	13.4	312.5
IC-CT-18-00150-CU-PVC-H05VK-0300-IEC60227P7-FR *	18 G 1.5	14.9	396.7
IC-CT-25-00150-CU-PVC-H05VK-0300-IEC60227P7-FR *	25 G 1.5	17.7	540
IC-CT-02-00250-CU-PVC-H05VK-0300-IEC60227P7-FR	2 X 2.5	8	115.1
IC-CT-03-00250-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 2.5	8.5	140.7
IC-CT-04-00250-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 2.5	9.3	176.8
IC-CT-05-00250-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 2.5	10.3	189.1
IC-CT-07-00250-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 2.5	11.5	249.1
IC-CT-02-00400-CU-PVC-H05VK-0300-IEC60227P7-FR	2 X 4.0	9.7	173.9
IC-CT-03-00400-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 4.0	10.5	219.4
IC-CT-04-00400-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 4.0	11.6	273.3
IC-CT-05-00400-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 4.0	12.8	294.9
IC-CT-07-00400-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 4.0	14.2	388.5
IC-CT-03-00600-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 6.0	11.9	296.8

PRODUCT CODE	NO. OF CORES X AREA No. x sq.mm.	NOMINAL OVERALL DIAMETER Approx. mm	WEIGHT Kg/km
IC-CT-04-00600-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 6.0	13.3	377.7
IC-CT-05-00600-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 6.0	14.9	418.9
IC-CT-07-00600-CU-PVC-H05VK-0300-IEC60227P7-FR	7 G 6.0	16.5	551.4
IC-CT-03-01000-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 10.0	14.7	483.6
IC-CT-04-01000-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 10.0	16.4	617.8
IC-CT-05-01000-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 10.0	18.4	689
IC-CT-03-01600-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 16.0	17.1	696.8
IC-CT-04-01600-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 16.0	19.1	904.3
IC-CT-05-01600-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 16.0	21.4	1002.9
IC-CT-03-02500-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 25.0	21	1082.5
IC-CT-04-02500-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 25.0	23.4	1387.4
IC-CT-05-02500-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 25.0	26.2	1540.4
IC-CT-03-03500-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 35.0	23.7	1460.2
IC-CT-04-03500-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 35.0	26.5	1855.4
IC-CT-05-03500-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 35.0	29.6	2096.5
IC-CT-03-05000-CU-PVC-H05VK-0300-IEC60227P7-FR	3 G 50.0	28.1	2047.7
IC-CT-04-05000-CU-PVC-H05VK-0300-IEC60227P7-FR	4 G 50.0	31.4	2637.2
IC-CT-05-05000-CU-PVC-H05VK-0300-IEC60227P7-FR	5 G 50.0	35.1	2980.6

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. H05VK denotes the multicore PVC flexible construction with a class 5 conductor at 300/500 V; FR the flame-retardant option. No row on this sheet has a match in the Item Master — the register holds no item on IEC 60227-7 — so all 82 distinct codes are derived from the code structure and need Item Master entries before they go ACTIVE. * marks a row whose core count is not yet a typed row in the CORES block on tab 5 REF TABLES.

FLAGGED FOR CONFIRMATION

01 Nothing on this sheet is in the register. The Item Master carries no item on standard IEC60227P7, and no H05VK item on line CT. Every code here is built from the code structure and needs an Item Master row.

02 Core counts 09, 15, 18, 20, 21, 25, 40 and 50 are not in the CORES block on tab 5 REF TABLES. They follow the two-digit rule and are used here; each needs one typed row.

03 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 — 12 rows on this sheet repeat a code already used by their counterpart. The source sheet does the same. A distinguishing segment or option is needed before these go ACTIVE.

04 Line CT (control cable) is used to match this sheet series and the old code, which also began CT. A class 5 flexible construction also reads as FX (flexible cord / multicore flexible), which is where the register keeps its H05VK items — steward to confirm.

05 Operation temperature reads -15°C to +70° Cl in the source. The trailing l is reproduced as written.

06 The old code on the `16 G 1.0` row reads `CTC16C001PCFRIE0228` — one digit short of the `IE60228` suffix every other row carries. Noted, not corrected.

07 Core identification from 6 cores points to `annexture 1`, which is not in the uploaded document. The annexure is needed to complete the sheet.

08 This sheet sits on IEC 60227-7, VDE 0281-13 and BS EN 50525-2-51 — no Indian Standard — so no BIS licence covers it. The ISI mark is printed as instructed and the licence line shows `CM/L 6200267207`, the number the register carries against its PVC class 5 flexible 300/500 V items. Confirm the correct licence, or hide the line from Tweaks.

09 The source lists both flame-retardant and UV-resistant performance; the code carries the FR option only, matching the old code. A UV-graded sheath takes `UV` as a second option segment and is a different item.

10 The four dimension tables in the source sit in floating text boxes that break the size sequence across pages. They are joined here into one table in ascending size order; all 94 rows and every value are unchanged.

11 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.

Parth Chhaperia +918073533289 **Aryan Chhaperia** +918088107850 **Neelmani Chaudhary** +91 7011005815
www.indocables.com / www.indocables.in
cables@micagroup.net