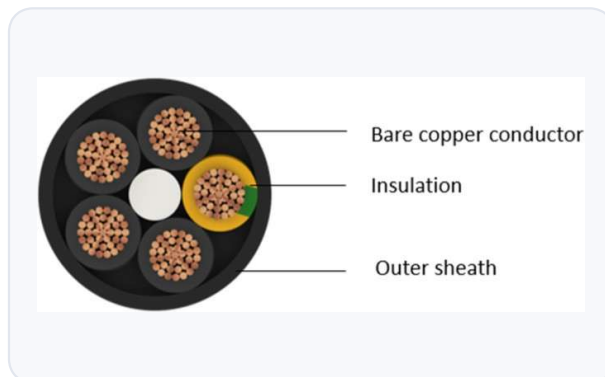


MULTICORE FLEXIBLE CONTROL CABLE · CLASS 5 COPPER · PVC INSULATED · BLACK OIL-RESISTANT PVC SHEATH · BS EN 50525-2-51

INDOCABLES CLASSIC 110 BK CONTROL CABLE

300/500 V AC



Images not to scale. Follow table for dimensions

APPLICATION

INDOCABLES CLASSIC 110 BK, fine wire flexible copper conductor, PVC insulated with oil resistant PVC outer sheath is designed to use for fixed installation as well as flexible installation where tensile load is not much. It is suitable to use for torsional application in wind turbine and for power chain drive.

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 **Sheath:** In-house developed oil-resistant PVC compound. (Colour: Black)

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

OIL RESISTANT

UV RESISTANT

HEAT RESISTANT

STANDARD FOLLOWS

IEC 60228/VDE 0295

BS EN 50525-2-51

IEC 60227-5

VDE 0281-13

COMPLIANCE

Conductor resistance IEC 60228

Oil resistant BS EN 50525-2-22

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 X CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (APPROX.) mm	WEIGHT (APPROX.) Kg/km
0.75 MM² CONDUCTOR			
IC-CT-02-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	2 X 0.75	5.5	46
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	3 G 0.75	5.8	55
IC-CT-03-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	3 X 0.75	5.8	55
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 0.75	6.4	68
IC-CT-04-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	4 X 0.75	6.4	68
IC-CT-05-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 0.75	7	73
IC-CT-07-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	7 G 0.75	7.6	94
IC-CT-12-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	12 G 0.75	10.1	155
IC-CT-18-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	18 G 0.75	11.9	226
IC-CT-25-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	25 G 0.75	14	306
IC-CT-34-00075-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	34 G 0.75	16.2	405
1 MM² CONDUCTOR			
IC-CT-02-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	2 X 1	5.8	54
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	3 G 1	6.2	66



PRODUCT CODE	NO. OF CORE X CROSS SECTION AREA n X mm ²	OVERALL DIAMETER (APPROX.) mm	WEIGHT (APPROX.) Kg/km
IC-CT-03-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	3 X 1	6.2	66
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 1	6.8	82
IC-CT-04-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	4 X 1	6.8	82
IC-CT-05-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 1	7.5	88
IC-CT-05-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	5 X 1	7.5	88
IC-CT-07-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	7 G 1	8.2	113
IC-CT-12-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	12 G 1	10.9	189
IC-CT-18-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	18 G 1	12.8	276
IC-CT-25-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	25 G 1	15.1	376
IC-CT-34-00100-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	34 G 1	17.5	498

1.5 MM² CONDUCTOR

IC-CT-02-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	2 X 1.5	6.8	75
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	3 G 1.5	7.2	92
IC-CT-03-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	3 X 1.5	7.2	92
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 1.5	8	114
IC-CT-04-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	4 X 1.5	8	114
IC-CT-05-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 1.5	8.8	122
IC-CT-05-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	5 X 1.5	8.8	122
IC-CT-07-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	7 G 1.5	9.6	159
IC-CT-07-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL *	7 X 1.5	9.6	159
IC-CT-12-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	12 G 1.5	12.9	267
IC-CT-18-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	18 G 1.5	15.2	393
IC-CT-25-00150-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	25 G 1.5	18	536

2.5 MM² CONDUCTOR

IC-CT-02-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	2 X 2.5	8.2	112
IC-CT-03-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	3 G 2.5	8.7	139
IC-CT-04-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 2.5	9.6	175
IC-CT-05-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 2.5	10.6	188
IC-CT-07-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	7 G 2.5	11.6	246
IC-CT-12-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	12 G 2.5	15.7	417
IC-CT-18-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	18 G 2.5	18.6	616
IC-CT-25-00250-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	25 G 2.5	22.1	843



PRODUCT CODE	NO. OF CORE X CROSS SECTION AREA n x mm ²	OVERALL DIAMETER (APPROX.) mm	WEIGHT (APPROX.) Kg/km
4 MM² CONDUCTOR			
IC-CT-03-00400-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	3 G 4	11.7	241
IC-CT-04-00400-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 4	12.9	302
IC-CT-05-00400-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 4	14.2	323
6 MM² CONDUCTOR			
IC-CT-04-00600-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 6	14.2	395
IC-CT-05-00600-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 6	15.8	432
10 MM² CONDUCTOR			
IC-CT-04-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 10	18	654
IC-CT-05-01000-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 10	20	719
16 MM² CONDUCTOR			
IC-CT-04-01600-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	4 G 16	20.9	941
IC-CT-05-01600-CU-PVC-H05VK-0300-IEC60227P5-FR-OIL	5 G 16	23.2	1041

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. CT denotes the control-cable line, H05VK the multicore PVC flexible class 5 construction at 300/500 V, FR the flame-retardant compound and OIL the oil-resistant sheath. Rows are grouped by conductor size; every value is reproduced from the source sheet. All 43 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

- 01 No row on this sheet is in the register. The Item Master carries no item on IEC 60227-5, and the STANDARD block on tab 5 REF TABLES holds IEC60227P7 but no IEC60227P5. All 43 distinct codes are derived from the code structure and need typed rows before these items go ACTIVE.
- 02 A register-matched alternative exists for part of the sheet. The Item Master holds PVC / H05VK / 300–500 V class 5 items on line FX, standard IS694, option FR, licence CM/L 6200267207 — and 29 of this sheet's 43 core-and-size combinations match one of those rows exactly, reading IC-FX-nn-nnnnn-CU-PVC-H05VK-0300-IS694-FR. The remaining 14 match nothing in either family. This sheet follows sheets CC-07, CC-12 and CC-13, which carry line CT and IEC60227P5. Confirm which family the CLASSIC sheets should use.
- 03 Every old code on the source sheet reads CTCnnCsizePCPVFRIS694 and ends IS694 — IS 694, the Indian standard for PVC insulated cables and cords — while the sheet's own Standard-follows block lists IEC 60227-5, BS EN 50525-2-51 and VDE 0281-13, no Indian Standard. The derived codes carry IEC60227P5. Confirm which standard governs the item.
- 04 Three of the nine core counts on this sheet are absent from the CORES block on tab 5: 18, 25 and 34. They must be typed into that block before the workbook can build these codes.
- 05 The code structure has no sheath-colour segment. This sheet (BK, black sheath) therefore derives the same code as CLASSIC 110 (sheet CC-13) and CLASSIC 110 Orange (sheet CC-12) for every shared core-and-size combination. A colour segment or a distinguishing option is needed.



- 06 The code structure also has no G / X segment, so a G variant (with green/yellow protective core) and its X variant carry the same code. Nine rows repeat the code of the row above, as they do in the source sheet.
- 07 Operation temperature reads -15°C to $+90^{\circ}\text{C}$ in the source, with the degree sign detached from the second value. Reproduced as written.
- 08 Two options are carried on the code: FR for the flame-retardant compliance line and OIL for the oil-resistant sheath named in Construction and in the BS EN 50525-2-22 compliance line. Confirm both.
- 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's OUR ACCREDITATIONS block held a single NABL laboratory mark. It has been removed and replaced by the ISI mark and the ISO 9001 badge, in the page header and in the Certification block.
- 11 No Indian Standard governs this sheet, 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.
- 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.