

2 CORE PVC FLAT CABLES (JOHNSON TWIN CORE FLAT CABLES) PVC INSULATED AND PVC SHEATHED FLAT FLEXIBLE COPPER CABLES (UP TO 1100 VOLTS)

PRODUCT DESIGN

- APPLICABLE STANDARD** : IS 694:2010
- CONDUCTOR** : THE CONDUCTORS ARE DRAW FROM 99.97 % BRIGHT ELECTROLYTIC GRADE COPPER WITH MORE THAN 100 % CONDUCTIVITY ARE ANNEALED AND BUNCHED TOGETHER (CLASS 2 & 5)
- INSULATION PVC** : THE BUNCH CONDUCTORS ARE INSULATED WITH SPECIALLY FORMULATED PVC COMPOUND WITH A HIGH INSULATION RESISTANCE VALUE.
THE INSULATION PROCESS IS CARRIED OUT ON MODERN HIGH SPEED EXTRUSION LINES, WHICH ENSURES HIGH ACCURACY AND CONSISTENCY IN PERFORMANCE
- SHEATH PVC** : THE OUTER SHEATH OF THE CABLE IS MADE FROM A SPECIAL GRADE OF ABRASION RESISTANT PVC COMPOUND IMPERVIOUS TO WATER, GREASE, OIL ETC.
- OPERATING TEMPERATURE RANGE** : TEMP -15°C TO MAX. +70°C / +85°C
- COLOUR** : BLACK, GRAY (AND ALSO OTHER COLOUR REQUEST ON CUSTOMER)
- PACKING** : 100m., 500m & 1000m. (+/- 5%) HIGHER LENGTH AVAILABLE ON REQUEST.
- MARKING** : THE CABLES ARE PRINTED WITH GENERIC MARKING " JOHNSON CABLES 2 CORE FLAT CABLES"
- APPLICATION** : THIS TYPE OF CABLES OF SUITABLE FOR WIRING IN RESIDENTIAL AND COMMERCIAL INFRASTRUCTURE PROJECT.
- FEATURE** : - MANUFACTURED FROM BRIGHT ANNEALED 99.97 % PURE COPPER CONDUCTORS AND HENCE, OFFER LOW CONDUCTOR RESISTANCE.
- OUTER SHEATH CONSISTS OF HIGHLY ABRASION RESISTANT PVC COMPOUND IMPERVIOUS TO GREASE, OIL AND WATER ETC
- EXCELLENT MECHANICAL AND ELECTRICAL PROPERTIES.
- PROGRESSIVE SEQUENTIAL LENGTH MARKING ON EVERY METER.
- ISO CERTIFICATION** : ISO 9001:2015, ISO 45001:2018, ISO 14001:2015, CE, RoHS
- PRODUCT CERTIFICATION** : IS 694:2010  IS 7098 P-1 , TUV RHEINLAND CERTIFICATE No. R 60160536

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Technical Data

SIZE DIMENSIONS AND RATING

NOMINAL CROSS SECTIONAL AREA	NUMBER/ NOMINAL DIA OF WIRES (MAX.)	NOMINAL THICKNESS OF INSULATION	NOMINAL THICKNESS OF SHEATH	OVERALL DIMENSION (W X H)		MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20° C	MAX. CURRENT CARRYING CAPACITY
mm ²	Nos./mm	mm	mm	WIDTH (mm)	HEIGHT (mm)	Ω/km	Amps
1*	14/0.3	0.6	0.9	7.80	4.90	18.1	12
1.5*	22/0.3	0.6	0.9	8.40	5.20	12.1	14
2.5*	36/0.3	0.7	1.0	9.70	6.00	7.41	18
4.0	56/0.3	0.8	1.0	11.30	7.00	4.95	26
6.0	84/0.3	0.8	1.1	13.30	8.00	3.30	31
10.0	140/0.3	1.0	1.4	16.00	9.60	1.91	42

NOTE : * 1 SQ MM TO 2.5 SQ MM CLASS 2 CONDUCTOR & OTHER CLASS 5

1. THE NUMBER OF WIRES AND DIAMETER MENTIONED IN THE TABLE ARE APPROXIMATE AND NOMINAL, HOWEVER THEY SHALL MEET THE REQUIREMENTS OF CONDUCTOR RESISTANCE AS PER STANDARDS. IS 8130
2. TOLERANCE: UP TO 4.0 SQ MM +/- 0.5 MM. 6.0 SQ MM & 10 SQ MM +/- 1.0 MM
3. THE ABOVE DATA IS INDICATIVE AND MAY BE REVISED WITHOUT PRIOR INFORMATION. JOHNSON CABLES WILL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF INCORRECT APPLICATION.