3 CORE PVC FLAT CABLES (JOHNSON REGULAR)

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) IS 8130
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	:	500m & 1000m. (+/- 5%) HIGHER LENGTH AVAILABLE ON REQUEST.
MARKING	:	THE CABLES ARE PRINTED WITH GENERIC MARKING " JOHNSON CABLES 3 CORE FLAT CABLES"
APPLICATION	:	- A SUBMERSIBLE PUMP CABLE IS A SPECIALIZED PRODUCT TO BE USED FOR SUBMERSIBLE PUMPS IN A DEEP WELL. - JOHNSON CABLES 3 CORE SUBMERSIBLE FLAT CABLES ARE MANUFACTURED FOR DESIGNED FOR USE IN UNDERGROUND, UNDER-WATER OR ON WET SURFACE.
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 - VERY GOOD INSULATION PROPERTIES WHEN SUBMERGED IN WATER - 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 694:2010 CM/L-3981279) IS 7098 P-1 (IS 7098 P-1 CM/L-7200172911), TUV RHEINLAND CERTIFICATE No. R 60160536

3 CORE PVC FLAT CABLES

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
mm²	Nos./mm	mm	mm	WIDTH (mm)	HEIGHT (mm)	Ω/km	Amps
1*	14/0.3	0.6	0.9	10.50	4.90	18.1	12
1.5*	22/0.3	0.6	0.9	11.40	5.20	12.1	14
2.5*	36/0.3	0.7	1.0	13.20	6.00	7.41	18
4.0	56/0.3	0.8	1.0	15.40	7.00	4.95	26
6.0	84/0.3	0.8	1.1	18.40	8.00	3.30	31
10.0	140/0.3	1.0	1.4	22.20	9.60	1.91	42
16.0	224/0.3	1.0	1.4	27.40	11.60	1.21	57
25.0	354/0.3	1.2	2.0	34.10	14.30	0.780	72
35.0	495/0.3	1.2	2.0	37.60	15.80	0.554	90
50.0	703/0.3	1.4	2.2	44.00	18.20	0.386	115
70.0	988/0.3	1.4	2.2	51.20	21.00	0.272	143

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 AND ABOVE 10 SQ MM +/- 1.2 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.