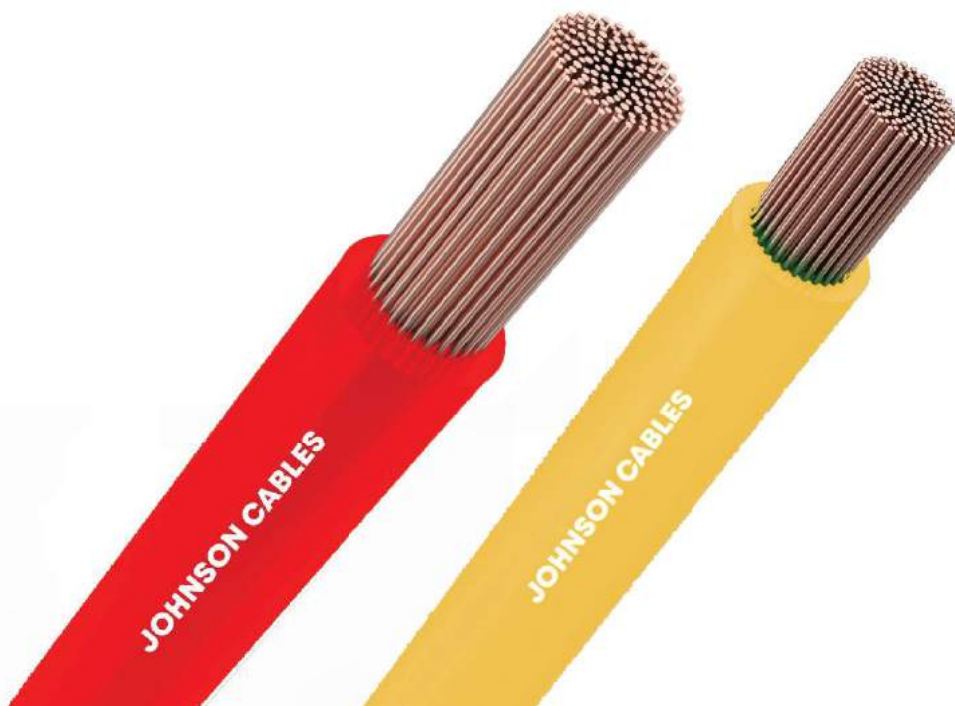


SINGLE CORE (JOHNSON INDUSTRIAL CABLE) PVC INSULATED UNSHEATHED FLEXIBLE COPPER CABLES (UP TO 1100 VOLTS)

PRODUCT DESIGN

- APPLICABLE STANDARD** : IS 694:2010
- CONDUCTOR** : THE CONDUCTORS DRAWN FROM 99.97 % BRIGHT ELECTROLYTIC GRADE COPPER WITH MORE THAN 100 % CONDUCTIVITY ARE ANNEALED AND BUNCHED TOGETHER. (CLASS 5)
- TYPE INSULATION**
- TYPE A PVC COMPOUND** : THE BUNCH CONDUCTORS ARE INSULATED WITH SPECIALLY FORMULATED FLAME RETARDANT 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
- TYPE C HR COMPOUND** : JOHNSON CABLES OFFER INSULATION WITH (HR) HEAT RESISTANCE PROPERTIES WHICH SUITABLE TO BEAR A TEMPERATURE UP TO 85° C. AND ALSO HIGH INSULATION RESISTANCE OF THIS SPECIAL HR COMPOUND. THIS FEATURE JOHNSON CABLES ARE CAPABLE TO CARRY HIGHER CURRENT AND BETTER ELECTRICAL AND MECHANICAL PERFORMANCE AT HIGHER TEMPERATURES. HR PROPERTY SUITABLE FOR OPERATION AT HIGH TEMPERATURES.
- OPERATING TEMPERATURE RANGE** : TEMP -15° C TO MAX. +70° C / +85° C
- COLOUR** : RED, YELLOW, BLUE, BLACK, GREEN, GRAY (AND ALSO OTHER COLOUR REQUEST ON CUSTOMER)
- PACKING** : COILS/REELS 100m, 200m, 300m, 500m & 1000m. (+/- 5%) HIGHER LENGTH AVAILABLE ON REQUEST.
- MARKING** : THE CABLES ARE PRINTED WITH GENERIC MARKING " JOHNSON CABLES "
- APPLICATION** : THIS IS A PREMIUM PRODUCT OF ELECTRICAL INDUSTRIAL CABLES FROM " JOHNSON CABLES ". THESE CABLES ARE IDEALS FOR WIRING IN CONTROL PANELS, MACHINES AND VARIOUS ELECTRICAL INSTALLATION IN SMALL, MEDIUM AND LARGE INDUSTRIES.
- FEATURE** :
- MANUFACTURED FROM BRIGHT ANNEALED 99.97 % PURE COPPER CONDUCTORS AND HENCE, OFFER LOW CONDUCTOR RESISTANCE.
 - THESE WIRES ARE INSULATED WITH A SPECIAL GRADE PVC COMPOUND FORMULATED AND MANUFACTURED IN-HOUSE. PVC COMPOUND WITH A HIGH INSULATION RESISTANCE VALUE
 - 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

INDUSTRIAL CABLES



Technical Data

SIZE DIMENSIONS AND RATING

NOMINAL CROSS SECTIONAL AREA	NUMBER/ NOMINAL DIA OF WIRES (MAX)	THICKNESS OF INSULATION (NOMINAL)	APPROX OVERALL DIA	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20° C	MAX. CURRENT CARRYING CAPACITY
mm ²	Number/mm	mm	mm	Ω/km	Amps
10	140/0.3	1.0	6.20	1.91	40
16	224/0.3	1.0	7.80	1.21	55
25	354/0.3	1.2	9.80	0.780	70
35	495/0.3	1.2	10.80	0.554	90
50	703/0.3	1.4	12.80	0.386	120
70	988/0.3	1.4	15.00	0.272	190
95	1349/0.3	1.6	17.50	0.206	250
120	608/0.5	1.6	19.00	0.161	290
150	760/0.5	1.8	20.80	0.129	340
185	931/0.5	2.0	24.00	0.106	380
240	1216/0.5	2.2	27.00	0.0801	460

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: 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.