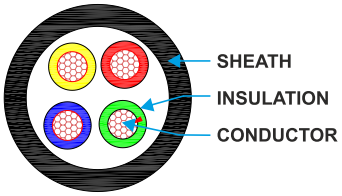
Control Cables

Multi Core-PVC Flexible As per IS 694



Application

These cables are designed for residential and commercial infrastructure. They serve as the connecting medium in power and control panels, cabinets & switch gears. They can also used for the purposes such as stationary and static appliances, motors and for other single phase connections.

Construction

- Bare copper, fine wire conductors to IEC 60228 cl. 5, IS : 8130
- Conductor insulation of PVC IS : 5831
- Conductors core color coded as per IS 694.

Properties

- PVC self-extinguishing and flame retardant
- RoHS, CE Marking

Technical Parameter

- Voltage rating : 650V / 1100V
- Temp rating : -15°C to +85°C
- Short circuit :160°C
- Bending radius : 4 to 6 x diameter of cable
- Standard cable colour : Black or as per customer requirement

IS:694 RoHS CE

Cable Design Parameters

Part Code	No. of Cores	Nominal Cross Sectional Area	Nominal Insulation Thickness	Max. D.C. Conductor resistance at 20°C	Nominal Sheath Thickness	Maximum Overall Diameter
		sq. mm	mm	ohm/km	mm	mm
0809B010005	1	0.5	0.60	39.0	0.9	4.3
0809B020005	2	0.5	0.60	39.0	0.9	6.9
0809B030005	3	0.5	0.60	39.0	0.9	7.3
0809B040005	4	0.5	0.60	39.0	0.9	8.0
0809B050005	5	0.5	0.60	39.0	0.9	8.7
0809B010007	1	0.75	0.60	26.0	0.9	4.5
0809B020007	2	0.75	0.60	26.0	0.9	7.3
0809B030007	3	0.75	0.60	26.0	0.9	7.7
0809B040007	4	0.75	0.60	26.0	0.9	8.4
0809B050007	5	0.75	0.60	26.0	0.9	9.2
0809B010010	1	1	0.60	19.5	0.9	4.7
0809B020010	2	1	0.60	19.5	0.9	7.6
0809B030010	3	1	0.60	19.5	0.9	8.1
0809B040010	4	1	0.60	19.5	0.9	8.8
0809B050010	5	1	0.60	19.5	1.0	9.6
0809B010015	1	1.5	0.60	13.3	0.9	5.4
0809B020015	2	1.5	0.60	13.3	0.9	8.9
0809B030015	3	1.5	0.60	13.3	0.9	9.4
0809B040015	4	1.5	0.60	13.3	1.0	10.4
0809B050015	5	1.5	0.60	13.3	1.0	11.4
0809B010025	1	2.5	0.70	7.98	1.0	6.2
0809B020025	2	2.5	0.70	7.98	1.0	10.3
0809B030025	3	2.5	0.70	7.98	1.0	10.9
0809B040025	4	2.5	0.70	7.98	1.0	12.0
0809B050025	5	2.5	0.70	7.98	1.0	13.2
0809B010040	1	4	0.80	4.95	1.0	6.8
0809B020040	2	4	0.80	4.95	1.0	11.6
0809B030040	3	4	0.80	4.95	1.0	12.4
0809B040040	4	4	0.80	4.95	1.0	13.6
0809B050040	5	4	0.80	4.95	1.1	15.3
0809B010060	1	6	0.80	3.30	1.1	7.5
0809B020060	2	6	0.80	3.30	1.1	13.0
0809B030060	3	6	0.80	3.30	1.2	13.8
0809B040060	4	6	0.80	3.30	1.2	15.5
0809B010100	1	10	1.00	1.91	1.3	9.4
0809B020100	2	10	1.00	1.91	1.3	16.5
0809B030100	3	10	1.00	1.91	1.4	17.7
0809B040100	4	10	1.00	1.91	1.4	19.5

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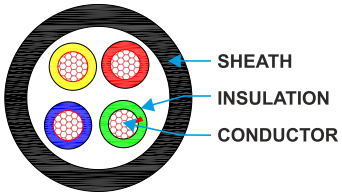

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		sq. mm	mm	ohm/km	mm	mm
0809B010160	1	16	1.00	1.21	1.4	10.9
0809B020160	2	16	1.00	1.21	1.4	19.4
0809B030160	3	16	1.00	1.21	1.4	20.6
0809B040160	4	16	1.00	1.21	1.4	23.0
0809B010250	1	25	1.20	0.780	1.4	13.6
0809B020250	2	25	1.20	0.780	1.4	23.8
0809B030250	3	25	1.20	0.780	1.5	25.6
0809B040250	4	25	1.20	0.780	1.6	28.5
0809B010350	1	35	1.20	0.554	1.6	15.5
0809B020350	2	35	1.20	0.554	1.6	27.2
0809B030350	3	35	1.20	0.554	1.6	29.3
0809B040350	4	35	1.20	0.554	1.7	32.7
0809B010500	1	50	1.40	0.386	2.0	18.1
0809B020500	2	50	1.40	0.386	2.0	32.0
0809B030500	3	50	1.40	0.386	2.0	34.6
0809B040500	4	50	1.40	0.386	2.0	38.6
0809B010700	1	70	1.40	0.272	2.2	20.8
0809B020700	2	70	1.40	0.272	2.2	36.8
0809B030700	3	70	1.40	0.272	2.2	39.6
0809B040700	4	70	1.40	0.272	2.2	44.3
0809B010950	1	95	1.60	0.206	2.4	23.6
0809B020950	2	95	1.60	0.206	2.4	41.8
0809B030950	3	95	1.60	0.206	2.4	47.0
0809B040950	4	95	1.60	0.206	2.4	50.2
0809B011200	1	120	1.60	0.161	2.5	26.0
0809B021200	2	120	1.60	0.161	2.5	46.2
0809B031200	3	120	1.60	0.161	2.5	51.0
0809B041200	4	120	1.60	0.161	2.5	55.7
0809B031500	3	150	1.80	0.129	2.6	54.8
0809B041500	4	150	1.80	0.129	2.6	62.1
0809B031850	3	185	2.00	0.106	2.8	61.2
0809B041850	4	185	2.00	0.106	2.8	68.5
0809B032400	3	240	2.20	0.0801	3.0	69.7
0809B042400	4	240	2.20	0.0801	3.0	77.9
0809B033000	3	300	2.40	0.0641	3.2	75.7
0809B043000	4	300	2.40	0.0641	3.2	84.4