

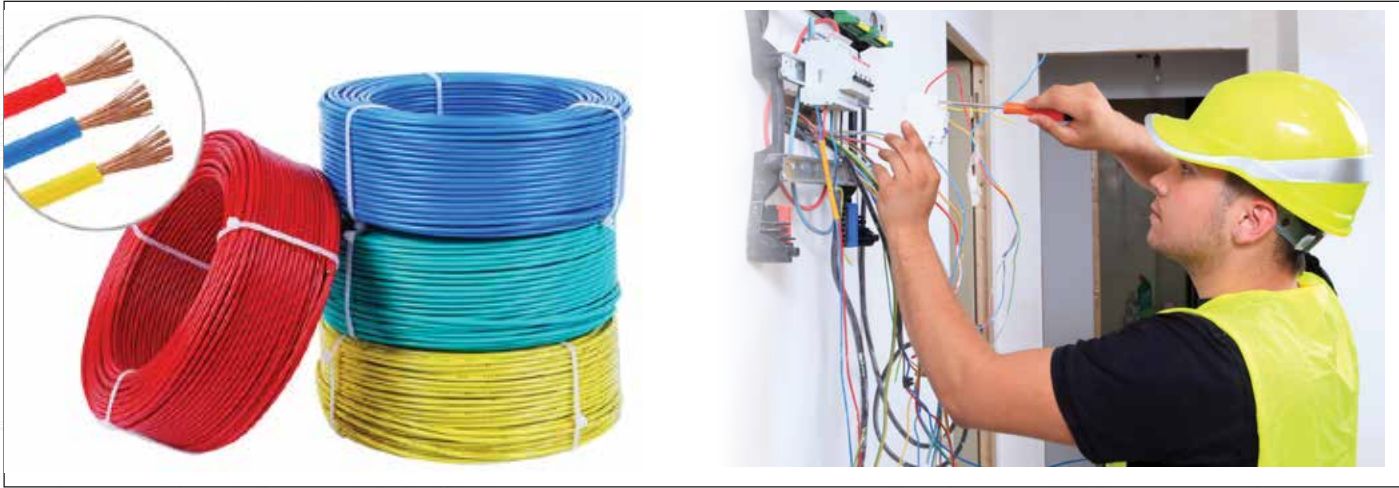
SINGLE CORE – FLEXIBLE WIRE

Application: These wires/cables are used for wiring in control panels, machines and various electrical installations in dry and damp interiors especially under typical industrial environmental conditions.

Construction:

- Standard
- IS: 694
- Size
- 0.75 Sqmm to 400 Sqmm
- Conductor
- Annealed bare copper as per IS: 8130
- Insulation
- PVC / HR PVC with FR/FR-LSH property / HFFR

Nominal Cross Sectional Area of Conductor	Number / Nom. Dia. Of wire (Nom.)	Thickness of Insulation (Nom.)	Overall Diameter (Max.)	Nominal Cross Sectional Area of Conductor	Number / Nom. Dia. Of wire (Nom.)	Thickness of Insulation (Nom.)	Overall Diameter (Max.)
Sq.mm	No./mm	mm	Mm	Sq.mm	No./mm	mm	Mm
0.5	16/0.20	0.6	2.6	35	0.41	1.2	11.7
0.75	24/0.20	0.6	2.8	50	0.41	1.4	13.9
1.0	32/0.20	0.6	3.0	70	0.51	1.4	16.0
1.5	30/0.25	0.7	3.4	95	0.51	1.6	18.2
2.5	50/0.25	0.8	4.1	120	0.51	1.6	20.2
4	56/0.30	0.8	4.8	150	0.51	1.8	22.5
6	84/0.30	0.8	5.3	185	0.51	2.0	24.9
10	140/0.30	1.0	7.0	240	0.51	2.2	28.4
16	226/0.30	1.0	8.1	300	0.51	2.4	31.0
25		1.2	10.2				



IS: 694



SINGLE / MULTI CORE SHEATHED FLEXIBLE CABLES

Application: These wires/cables are used for wiring in control panels, machines and various electrical installations in dry and damp interiors especially under typical industrial environmental conditions.

Construction:

Standard – IS: 694/2015

Size – 0.75 Sqmm to 400 Sqmm

Conductor – Annealed bare copper as per IS: 8130/2013

Insulation – PVC / HR PVC with FR/FR-LSH property

Sheath – PVC (ST-1, ST-2 & ST-3) with FR/FR-LSH property

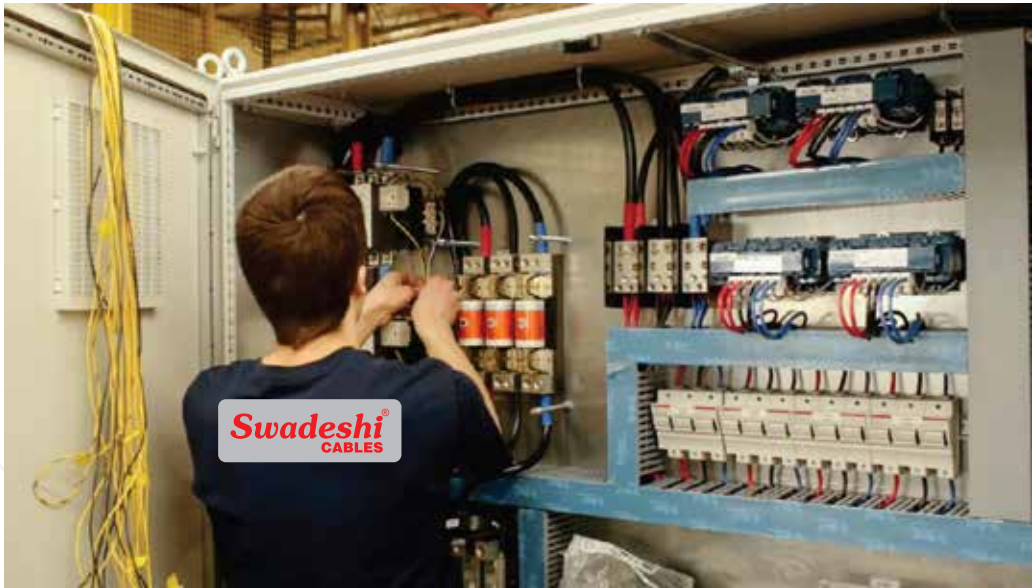
Cable Size (No. of cores x Size of conductor)	Max. Diameter of wire in a conductor	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	Overall Diameter (Max.)	Cable Size (No. of cores x Size of conductor)	Number / Nom. Dia. Of wire (Nom.)	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	Overall Diameter (Max.)
Sq.mm	mm	Mm	mm	Mm	Sq.mm	No./mm	mm	mm	Mm
1Cx0.5	0.21	0.6	0.9	4.3	8Cx1.5	0.26	0.6	1.1	14.7
1Cx0.75	0.21	0.6	0.9	4.5	8Cx2.5	0.26	0.7	1.2	17.3
1Cx1.0	0.21	0.6	0.9	4.7	9Cx0.5	0.21	0.6	1.0	11.8
1Cx1.5	0.26	0.6	0.9	5.4	9Cx0.75	0.21	0.6	1.1	12.4
1Cx2.5	0.26	0.7	1.0	6.2	9Cx1.0	0.21	0.6	1.1	13.1
1Cx4	0.31	0.8	1.0	6.8	9Cx1.5	0.26	0.6	1.1	15.6
1Cx6	0.31	0.8	1.1	7.5	9Cx2.5	0.26	0.7	1.3	18.3
1Cx10	0.41	1	1.3	9.4	10Cx0.5	0.21	0.6	1.0	12.0
1Cx16	0.41	1	1.4	10.9	10Cx0.75	0.21	0.6	1.1	12.7
1Cx25	0.41	1.2	1.4	13.6	10Cx1.0	0.21	0.6	1.1	13.4
1Cx35	0.41	1.2	1.6	15.5	10Cx1.5	0.26	0.6	1.1	16.0
1Cx50	0.41	1.4	2.0	18.1	10Cx2.5	0.26	0.7	1.3	18.7
1Cx70	0.51	1.4	2.2	20.8	11Cx0.5	0.21	0.6	1.0	12.0
1Cx95	0.51	1.6	2.4	23.6	11Cx0.75	0.21	0.6	1.1	12.7
1Cx120	0.51	1.6	2.5	26.0	11Cx1.0	0.21	0.6	1.1	13.4
2Cx0.5	0.21	0.6	0.9	6.9	11Cx1.5	0.26	0.6	1.1	16.0
2Cx0.75	0.21	0.6	0.9	7.3	11Cx2.5	0.26	0.7	1.3	18.7
2Cx1.0	0.21	0.6	0.9	7.6	12Cx0.5	0.21	0.6	1.0	12.4
2Cx1.5	0.26	0.6	0.9	8.9	12Cx0.75	0.21	0.6	1.1	13.1
2Cx2.5	0.26	0.7	1.0	10.3	12Cx1.0	0.21	0.6	1.1	13.9
2Cx4	0.31	0.8	1.0	11.6	12Cx1.5	0.26	0.6	1.1	16.5
2Cx6	0.31	0.8	1.1	13.0	12Cx2.5	0.26	0.7	1.3	19.4
2Cx10	0.41	1	1.3	16.5	13Cx0.5	0.21	0.6	1.0	13.1
2Cx16	0.41	1	1.4	19.4	13Cx0.75	0.21	0.6	1.1	13.8
2Cx25	0.41	1.2	1.4	23.8	13Cx1.0	0.21	0.6	1.1	14.6
2Cx35	0.41	1.2	1.6	27.2	13Cx1.5	0.26	0.6	1.2	17.4
2Cx50	0.41	1.4	2.0	32.0	13Cx2.5	0.26	0.7	1.3	20.5
2Cx70	0.51	1.4	2.2	36.8	14Cx0.5	0.21	0.6	1.1	13.1
2Cx95	0.51	1.6	2.4	41.8	14Cx0.75	0.21	0.6	1.1	13.8
2Cx120	0.51	1.6	2.5	46.2	14Cx1.0	0.21	0.6	1.1	14.6

SINGLE / MULTI CORE SHEATHED FLEXIBLE CABLES

Cable Size (No. of cores x Size of conductor)	Max. Diameter of wire in a conductor	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	Overall Diameter (Max.)	Cable Size (No. of cores x Size of conductor)	Number / Nom. Dia. Of wire (Nom.)	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	Overall Diameter (Max.)
Sq.mm	mm	Mm	mm	Mm	Sq.mm	No./mm	mm	mm	Mm
3Cx0.5	0.21	0.6	0.9	7.3	14Cx1.5	0.26	0.6	1.2	17.4
3Cx0.75	0.21	0.6	0.9	7.7	14Cx2.5	0.26	0.7	1.3	20.5
3Cx1.0	0.21	0.6	0.9	8.1	15Cx0.5	0.21	0.6	1.1	13.5
3Cx1.5	0.26	0.6	0.9	9.4	15Cx0.75	0.21	0.6	1.2	14.3
3Cx2.5	0.26	0.7	1	10.9	15Cx1.0	0.21	0.6	1.2	15.1
3Cx4	0.31	0.8	1.0	12.4	15Cx1.5	0.26	0.6	1.2	18.1
3Cx6	0.31	0.8	1.2	13.8	15Cx2.5	0.26	0.7	1.4	21.3
3Cx10	0.41	1	1.4	17.69	16Cx0.5	0.21	0.6	1.1	13.8
3Cx16	0.41	1	1.4	20.6	16Cx0.75	0.21	0.6	1.2	14.6
3Cx25	0.41	1.2	1.5	25.6	16Cx1.0	0.21	0.6	1.2	15.4
Cx35	0.41	1.2	1.6	29.3	16Cx1.5	0.26	0.6	1.2	18.4
3Cx50	0.41	1.4	2.0	34.6	16Cx2.5	0.26	0.7	1.4	21.7
3Cx70	0.51	1.4	2.2	39.6	17Cx0.5	0.21	0.6	1.1	14.6
3Cx95	0.51	1.6	2.4	47.0	17Cx0.75	0.21	0.6	1.2	15.4
3Cx120	0.51	1.6	2.5	51.0	17Cx1.0	0.21	0.6	1.2	16.3
3Cx150	0.51	1.8	2.6	54.8	17Cx1.5	0.26	0.6	1.3	19.5
3Cx185	0.51	2.0	2.8	61.2	17Cx2.5	0.26	0.7	1.4	23.0
3Cx240	0.51	2.2	3.0	69.7	18Cx0.5	0.21	0.6	1.1	14.6
3Cx300	0.51	2.4	3.2	75.7	18Cx0.75	0.21	0.6	1.2	15.4
4Cx0.5	0.21	0.6	0.9	8.0	18Cx1.0	0.21	0.6	1.3	16.3
4Cx0.75	0.21	0.6	0.9	8.4	18Cx1.5	0.26	0.6	1.3	19.5
4Cx1.0	0.21	0.6	0.9	8.8	18Cx2.5	0.26	0.7	1.4	23.3
4Cx1.5	0.26	0.6	1.0	10.4	19Cx0.5	0.21	0.6	1.1	14.6
4Cx2.5	0.26	0.7	1.0	12.0	19Cx0.75	0.21	0.6	1.2	15.4
4Cx4	0.31	0.8	1.0	13.6	19Cx1.0	0.21	0.6	1.3	16.3
4Cx6	0.31	0.8	1.2	15.47	19Cx1.5	0.26	0.6	1.3	19.5
4Cx10	0.41	1	1.4	19.5	19Cx2.5	0.26	0.7	1.4	23.8
4Cx16	0.41	1	1.4	23.0	20Cx0.5	0.21	0.6	1.2	15.4
4Cx25	0.41	1.2	1.6	28.5	20Cx0.75	0.21	0.6	1.3	16.3
4Cx35	0.41	1.2	1.7	32.7	20Cx1.0	0.21	0.6	1.4	17.3
4Cx50	0.41	1.4	2.0	38.6	20Cx1.5	0.26	0.6	1.4	20.7
4Cx70	0.51	1.4	2.2	44.3	20Cx2.5	0.26	0.7	1.5	24.4
4Cx95	0.51	1.6	2.4	50.2	21Cx0.5	0.21	0.6	1.2	15.4
4Cx120	0.51	1.6	2.5	55.7	21Cx0.75	0.21	0.6	1.3	16.3
4Cx150	0.51	1.8	2.6	62.1	21Cx1.0	0.21	0.6	1.4	17.3
4Cx185	0.51	2.0	2.8	68.5	21Cx1.5	0.26	0.6	1.4	20.7
4Cx240	0.51	2.2	3.0	77.9	21Cx2.5	0.26	0.7	1.5	25.0
4Cx300	0.51	2.4	3.2	84.7	22Cx0.5	0.21	0.6	1.2	16.3

SINGLE / MULTI CORE SHEATHED FLEXIBLE CABLES

Cable Size (No. of cores x Size of conductor)	Max. Diameter of wire in a conductor	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	Overall Diameter (Max.)	Cable Size (No. of cores x Size of conductor)	Number / Nom. Dia. Of wire (Nom.)	Thickness of Insulation (Nom.)	Thickness of sheath (Nom.)	Overall Diameter (Max.)
Sq.mm	mm	Mm	mm	Mm	Sq.mm	No./mm	mm	mm	Mm
5Cx0.5	0.21	0.6	0.9	8.7	22Cx0.75	0.21	0.6	1.3	17.3
5Cx0.75	0.21	0.6	0.9	9.2	22Cx1.0	0.21	0.6	1.4	18.2
5Cx1.0	0.21	0.6	1.0	9.6	22Cx1.5	0.26	0.6	1.4	21.9
5Cx1.5	0.26	0.6	1.0	11.4	22Cx2.5	0.26	0.7	1.5	25.8
5Cx2.5	0.26	0.7	1.0	13.2	23Cx0.5	0.21	0.6	1.2	16.3
5Cx4	0.31	1	1.1	15.3	23Cx0.75	0.21	0.6	1.3	17.3
6Cx0.5	0.21	0.6	0.9	9.5	23Cx1.0	0.21	0.6	1.4	18.2
6Cx0.75	0.21	0.6	1.0	10.0	23Cx1.5	0.26	0.6	1.4	21.9
6Cx1.0	0.21	0.6	1.0	10.5	23Cx2.5	0.26	0.7	1.5	26.3
6Cx1.5	0.26	0.6	1.0	12.4	24Cx0.5	0.21	0.6	1.2	17.1
6Cx2.5	0.26	0.7	1.1	14.5	24Cx0.75	0.21	0.6	1.3	18.2
7Cx0.5	0.21	0.6	0.9	9.5	24Cx1.0	0.21	0.6	1.4	19.2
7Cx0.75	0.21	0.6	1.0	10.0	24Cx1.5	0.26	0.6	1.4	23.0
7Cx1.0	0.21	0.6	1.0	10.5	24Cx2.5	0.26	0.7	1.5	27.2
7Cx1.5	0.26	0.6	1.0	12.4	25Cx0.5	0.21	0.6	1.2	17.1
7Cx2.5	0.26	0.7	1.1	14.5	25Cx0.75	0.21	0.6	1.3	19.0
8Cx0.5	0.21	0.6	1.0	11.1	25Cx1.0	0.21	0.6	1.4	19.2
8Cx0.75	0.21	0.6	1.0	11.8	25Cx1.5	0.26	0.6	1.4	23.0
8Cx1.0	0.21	0.6	1.0	12.4	25Cx2.5	0.26	0.7	1.5	27.9



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