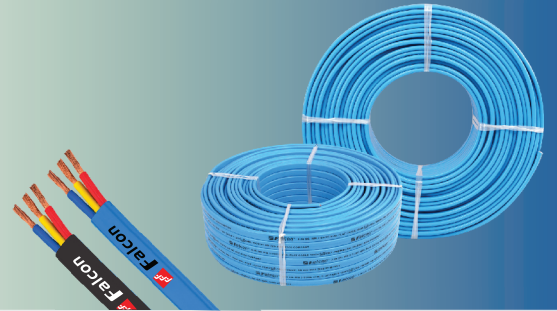


MULTI-CORE SUBMERSIBLE FLAT CABLES

CABLE CONSTRUCTION

- Conductor : 100% Bunched Copper Conductor Class-5 As Per IS:8130
- Insulation : PVC Type-A As Per IS : 5831
- Outer Sheath : PVC ST-1 As Per IS : 5831
- Colour : Blue, Black & Grey
- Voltage Grade : Upto 1100 V
- Test Voltage : 3000 V AC
- IS 694 : 2010



TECHNICAL DATA

3 CORE SUBMERSIBLE FLAT CABLE CONFORMING TO IS 694 : 2010

Cross Sectional Area (mm ²)	No./Diameter of Wire (No./mm)	Core Diameter (Max.)	Insulation Thickness Core (Nominal) (mm)	Sheath Thickness (Nominal) (mm)	Width (Max) (mm)	Height (Max.) (mm)	Resistance (20°c) Max. (Ohm/Km)	C.C.C. at (40°c) (Amps.)
1.00	14/0.3	3.20	0.60	0.90	11.00	5.40	18.10	12
1.50	22/0.3	3.40	0.60	0.90	12.00	5.60	12.10	14
2.05	36/0.3	4.20	0.70	1.00	13.00	6.20	7.41	19
4.00	56/0.3	4.80	0.80	1.00	15.30	7.10	4.95	26
6.00	84/0.3	5.60	1.00	1.10	19.20	8.40	3.30	31
10.00	140/0.3	7.00	1.00	1.40	24.20	10.40	1.91	43
16.00	126/0.4	8.20	1.00	1.40	29.00	12.40	1.21	57
25.00	196/0.4	10.00	1.20	2.00	36.50	15.70	0.780	76
35.00	276/0.4	11.50	1.20	2.00	40.50	17.20	0.554	94
50.00	396/0.4	13.00	1.40	2.20	46.50	19.30	0.386	115
70.00	360/0.5	15.00	1.40	2.20	52.00	21.00	0.272	143
95.00	480/0.5	17.50	1.60	2.40	61.00	24.50	0.2069	170

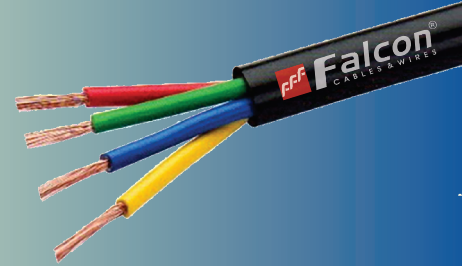
- Ambient temperature: 40°C
- Conductor operating temperature: 70°C
- Current rating conversion factor for deviating ambient temperature.
- Multiply the current carrying capacity of the cable by the factors given below for various Ambient temperature.

Ambient Temperature (°C)	25	30	35	40	45	50	55	60
Derating Factor	1.25	1.16	1.09	1.00	0.9	0.81	0.74	0.68

MULTICORE COPPER FLEXIBLE ROUND CABLES

CABLE CONSTRUCTION

- Conductor : 100% Bunched Copper Conductor Class-5 As Per IS:8130
- Insulation : PVC As Per IS : 5831
- Outer Sheath : PVC As Per IS : 5831
- Colour : White,Grey & Black.
- Voltage Grade : Upto 1100 V
- Test Voltage : 3000 V AC
- IS 694 : 2010



TECHNICAL DATA

MULTICORE PVC INSULATED AND SHEATHED COPPER CIRCULAR FLEXIBLE CABLE

Nominal Cross-Sectional Area Of Conductor (mm ²)	Nominal thickness of insulation (ti) (mm)	Nominal Thickness Of Sheath (ts)					Overall Diameter (Maximum)					Max. DC Conductor Resistance AT 20°C	Current Rating (Amp)
		1 Core (mm)	2 Core (mm)	3 Core (mm)	4 Core (mm)	5 Core (mm)	1 Core (mm)	2 Core (mm)	3 Core (mm)	4 Core (mm)	5 Core (mm)		
0.50	0.6	0.9	0.9	0.9	0.9	0.9	4.3	6.9	7.3	8	8.7	39	4
0.75	0.6	0.9	0.9	0.9	0.9	0.9	4.5	7.3	7.7	8.4	9	26	7
1.00	0.6	0.9	0.9	0.9	0.9	1	4.7	7.6	8.1	8.8	9.6	19.5	11
1.50	0.6	0.9	0.9	0.9	1	1	5.4	8.9	9.4	10.4	11.4	13.3	14
2.50	0.7	1	1	1	1	1	6.2	10.3	10.9	12	13.2	7.98	18
4.0	0.8	1	1	1	1	1.1	6.8	11.6	12.4	13.6	15.3	4.95	24
6.0	0.8	1.1	1.1	1.2	1.2	-	7.5	13.0	13.8	15.47	-	3.3	31
10.0	1	1.3	1.3	1.4	1.4	-	9.4	16.5	17.69	19.5	-	1.91	52
16.0	1	1.4	1.4	1.4	1.4	-	10.9	19.4	20.6	23.0	-	1.2	70
25.0	1.2	1.4	1.4	1.5	1.6	-	13.6	23.8	25.6	28.5	-	0.78	88
35.0	1.2	1.6	1.6	1.6	1.7	-	15.5	27.2	29.3	32.7	-	0.554	112