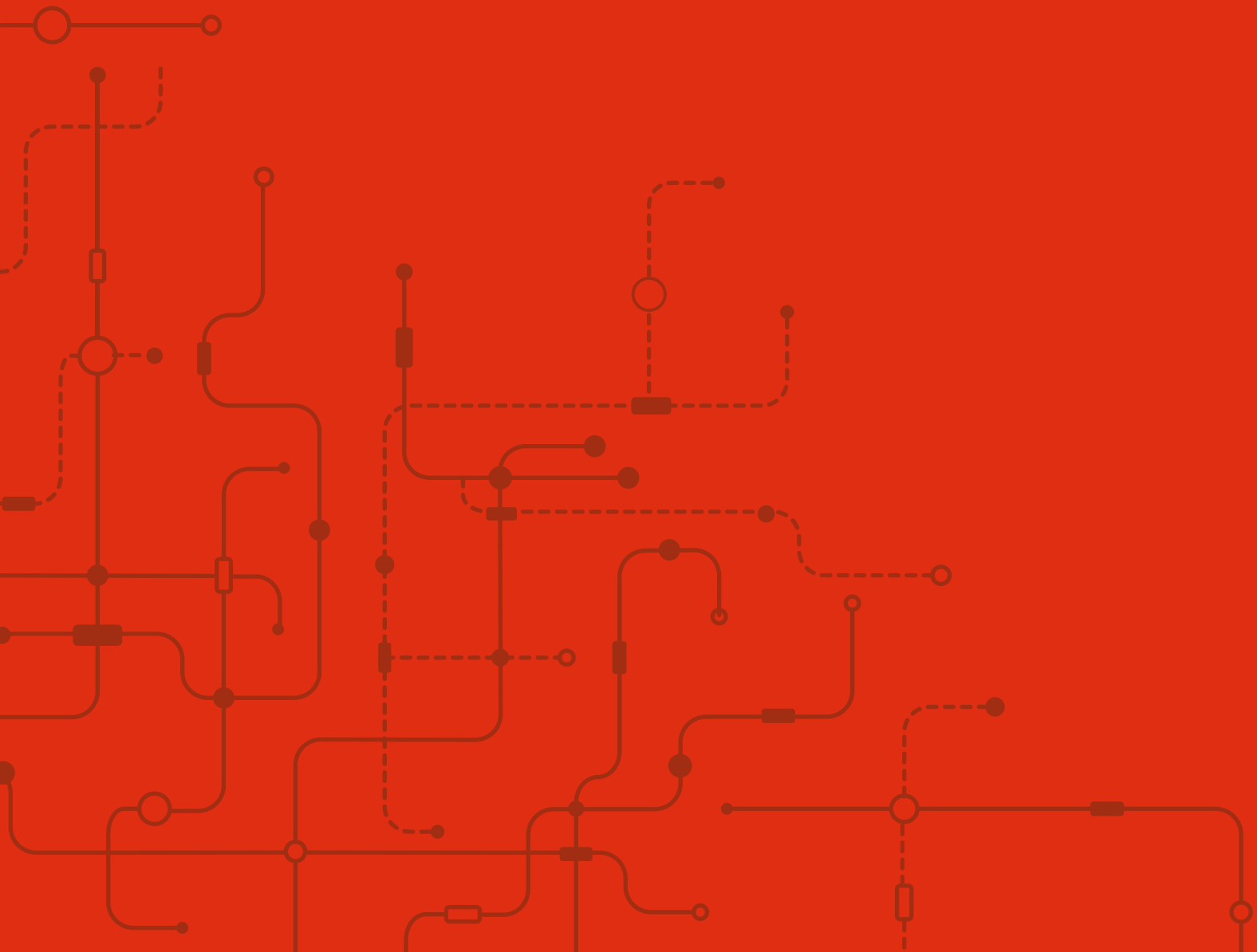


SUBMERSIBLE FLAT CABLE



SUBMERSIBLE FLAT PVC CABLE



*Multistrand Copper Conductor PVC Insulated
& ST-1 PVC Outer Sheated Submersible Flat Cable
Voltage Grade (up to 1100 V)*

APPLICATION :

Submersible Flat Cable Suitable for Pump Industry, Overhead Crane etc. Providing protection while immersed under water and underground hand pumps etc.

CONSTRUCTION OF CABLE :

BIS :

IS 694:2010

VOLTAGE GRADE :

Up to and including 1100 V

CONDUCTOR :

Electrolytic Grade Plain Copper Class V as per IS:8130

PACKING :

500 / 1000 Mtr. Wooden Drum

INSULATION :

Type A, FR or FRLS PVC Compound

CABLE COLOR :

Black, Grey, Other of special request

SHEATH :

Type 'St1' PVC Compound

RANGE :

1.0 sq mm to 50 sq mm

CABLE TECHNICAL PERAMETER

Nominal Cross Sectional Area of Conductor (sq. mm)	Number Max. Dia. of Strands	Nominal Insulation Thickness (mm)	Approx Overall Diameter	Sheath Approx Overall Diameter		Max. Conductor Resistance per KM @ 20 C Ohms	Current Carrying Capacity @ 40 C AMPS
				Width (Nom) mm	Height (Nom) mm		
1.5 **	22/0.3	0.7	0.9	10.2	4.6	12.1	13
2.5 **	36/0.3	0.8	1.0	13.0	5.65	7.41	18
4.0	56/0.3	0.8	1.0	14.55	6.2	4.95	24
6.0	84/0.3	0.8	1.1	16.5	7.0	3.30	31
10	140/0.3	1.0	1.4	21.05	8.90	1.91	42
16	126/0.4	1.0	1.4	24.30	10.0	1.21	57
25	196/0.4	1.2	2.0	30.55	12.85	0.780	72
35	276/0.4	1.2	2.0	34.0	14.0	0.554	90

Note : The numbers and diameter of conductor strands are for reference only. Conductor resistance as pr IS:8130 is the governing criteria. Conductor shall be of Class II for 1.5 & 2.5 sq mm and for other size shall be of Class V as per IS:8130

SUBMERSIBLE FLAT XLPE CABLE

Multistrand Copper Conductor XLPE Insulated
& ST-2 PVC Outer Sheathed Submersible Flat Cable
Voltage Grade (up to 1100 V)

APPLICATION :

Submersible Flat Cable Suitable for agriculture, fountain, open well irrigation, mines dewatering, industrial use etc.

CONSTRUCTION OF CABLE :

BIS :

IS 7098 (Part I)

VOLTAGE GRADE :

Up to and including 1100 V

CONDUCTOR :

Electrolytic Grade Plain Copper Class V as per IS:8130

PACKING :

500 / 1000 Mtr. Wooden Drum

INSULATION :

Cross Linked Polyethylene (XLPE)

CABLE COLOR :

Black, Grey, Other of special request

SHEATH :

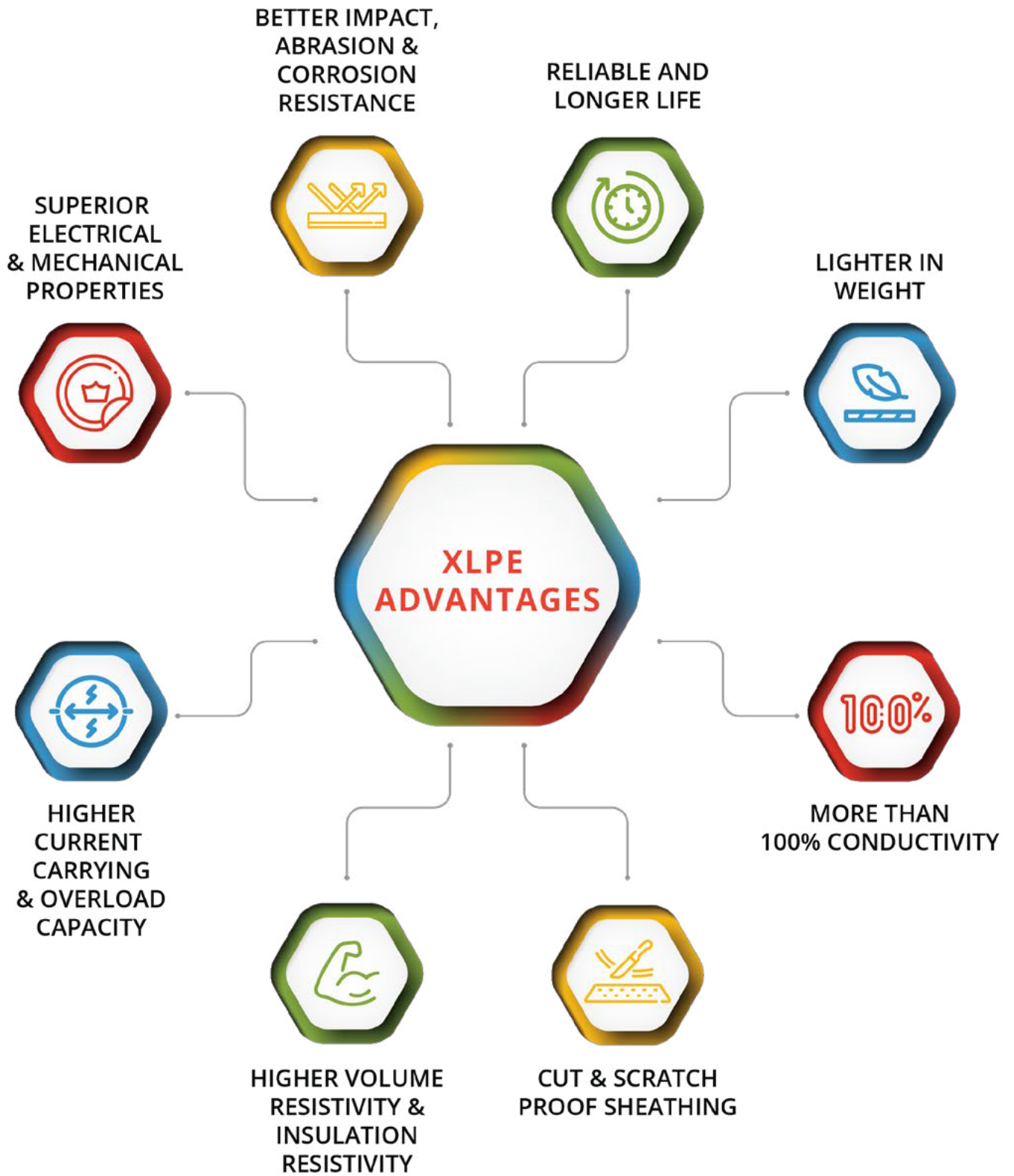
Heat Resistant Type 'St 2' PVC Compound

RANGE :

1.0 sq mm to 50 sq mm

CABLE TECHNICAL PERAMETER

Nominal Cross Sectional Area of Conductor (sq. mm)	Number Max. Dia. of Strands	Nominal Insulation Thickness (mm)	Approx Overall Diameter	Sheath Approx Overall Diameter		Max. Conductor Resistance per KM @ 20 C Ohms	Current Carrying Capacity @ 40 C AMPS
				Width (Nom) mm	Height (Nom) mm		
1.5 **	22/0.3	0.7	0.9	10.8	4.8	12.1	22
2.5 **	36/0.3	0.7	1.0	12.41	5.47	7.41	30
4.0	56/0.3	0.7	1.0	14	6	4.95	37
6.0	84/0.3	0.7	1.1	15.88	6.76	3.30	46
10	140/0.3	0.7	1.4	19.3	8.3	1.91	66
16	126/0.4	0.7	1.4	22.48	9.36	1.21	85
25	196/0.4	0.9	2.0	28.72	12.24	0.780	113
35	276/0.4	0.9	2.0	32.32	13.44	0.554	139



SELECTION GUIDE FOR 3 CORE FLAT CALBE
CABLE SELECTION CHART @ 40 C 415 V (WITH DOL STARTER)

SUBMERSIBLE MOTORS		SIZE OF CABLES IN SQ.MM AT DIFFERENT LENGTH IN MTR														
H.P	FULL LOAD CURRENT	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200
5	7.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	4
7.5	11	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6
10	15	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6
12.5	19	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10
15	22.5	4	4	4	4	4	4	4	4	4	4	6	6	10	10	10
17.5	26	4	4	4	4	4	4	4	4	6	6	6	10	10	10	10
20	28.4	6	6	6	6	6	6	6	6	6	6	6	10	10	10	16
25	35.6	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16
30	42.3	10	10	10	10	10	10	10	10	10	10	10	10	16	16	16
35	50.4	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
40	58.1	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
45	62.1	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
50	67.5	25	25	25	25	25	25	25	25	25	25	25	25	25	25	35
55	73.8	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
60	81.0	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
65	87.3	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
70	93.6	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
75	100.8	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
80	108.0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

CABLE SELECTION CHART @ 40 C 415 V (WITH STAR DELTA STARTER - DOUBLE CABLE)

SUBMERSIBLE MOTORS		SIZE OF CABLES IN SQ MM AT DIFFERENT LENGTH IN MTR														
H.P	FULL LOAD CURRENT AMPS.	10	20	30	40	50	60	70	80	90	100	110	128	140	180	200
5	7.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
7.5	11	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	4	4
10	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6
12.5	19	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6
15	22.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6
17.5	26	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6
20	28.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10
25	35.6	4	4	4	4	4	4	4	4	4	4	6	6	10	10	10
30	42.3	4	4	4	4	4	4	4	4	6	6	6	10	10	10	10
35	50.4	6	6	6	6	6	6	66	6	6	6	6	10	10	10	16
40	56.1	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16
45	62.1	10	10	10	10	10	10	10	10	10	10	10	10	10	16	16
50	67.5	10	10	10	10	10	10	10	10	10	10	10	10	16	16	16
55	73.8	10	10	10	10	10	10	10	10	10	10	10	10	16	16	16
60	81.0	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
65	87.3	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
70	93.6	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
75	100.8	16	16	16	16	16	16	16	16	16	16	16	16	16	25	25
80	108.0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25

**Office**

ADCAB, 303 Kaling Complex, Bh. Bata
Show Room Ashram Road, Ahmedabad,
Gujarat, India

Phone

+91 9978984274

Email

ronak.mistry@adcab.in

Factory

ADCAB, D-2, Sector 12, Heavy Industrial
Area, GIDC, Gandhidham (Kutch),
Gujarat, India

Phone

+91 2836 253489

Email

info@adcab.in

Godown

ADCAB, Plot no. - 5 Sector - 3 Akshar
Industrial Park, Opp. Zydus, Changodar,
Ahmedabad, Gujarat - 382213

Website

www.adcab.in