



Zipcon

Innovation Beyond Imagination

CABLES



3 CORE FLAT SUBMERSIBLE CABLES

— QUALITY — RELIABILITY — EXCELLENCE —

REACH
RoHS • CE

COMPLIANT



99.97%
PURE COPPER



SUPERIOR
FLEXIBILITY



RUGGED FLAT
CONSTRUCTION



WATER & ABRASION
RESISTANT

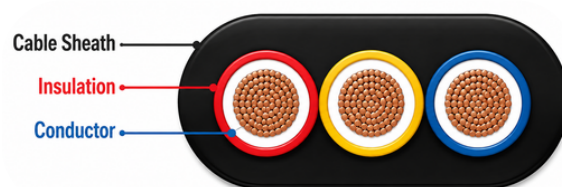


ADVANCE XLPE
INSULATION OPTIONS



FLAME
RETARDANT

FR-PVC INSULATED 3 CORE FLAT SUBMERSIBLE CABLE



APPLICATION

The PVC insulated and sheathed 3 core flat cables are mainly used in pump connections. They are also used in many industrial applications. The sheath is specially made out to resist tough and difficult outdoor conditions & excellent resistant

TECHNICAL DATA

- Approvals: IS 694 marked, FIA/TAC
- Conductor: Electrolytic grade annealed copper
- Core Colour: Red, yellow (centre core), blue
- Sheath Colour: Black
- Voltage Grade: Upto and including 1100V
- Packing: Standard packing of 100 mtr. in coils. Longer length available on request.

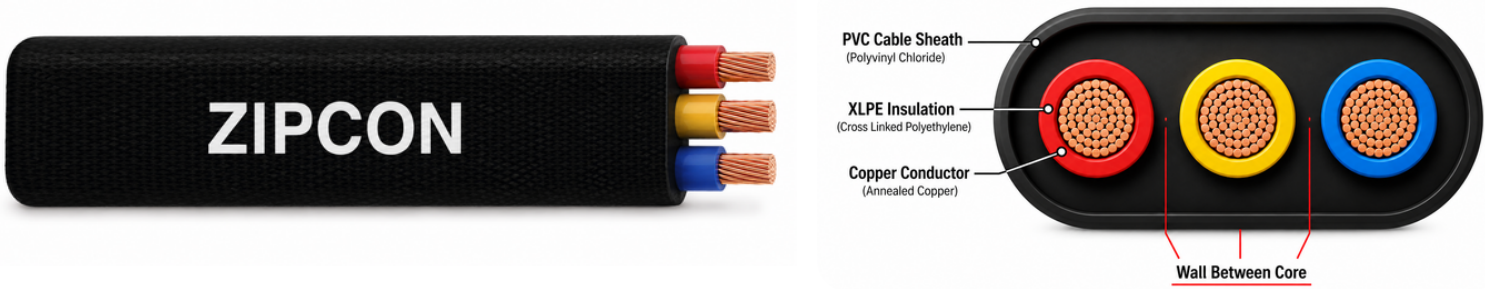
VARIANTS AVAILABLE

Product Type	Specifications
PVC 70°C	IS 694, IS 8130 class 5, IS 5831 Type A insulation & ST-1 sheath.
HR 85°C	IS 694, IS 8130 class 5, IS 5831 Type C insulation & ST-2 sheath.

CABLE DESIGN PARAMETERS

Conductor construction		Conductor resistance at 20 °C (Ω/km) Max.	Nominal Insulation thickness (mm)	Nominal Sheath Thickness (mm)	Approx. overall dimensions (W X H) (mm) +/- 0.5 mm	Current carrying capacity (Ampere)
Nominal Cross Sectional Area (Sq. mm)	No./Max. dia of strands (mm)					
1	14/0.3	18.1	0.7	1.0	10.6 X 5.2	12
1.5	22/0.3	13.30	0.7	1.0	11.6 X 5.5	18
2.5	36/0.3	7.98	0.7	1.1	13.1 X 6.2	28
4	56/0.3	4.95	0.8	1.1	15.0 X 6.8	37
6	84/0.3	3.30	0.8	1.2	17.2 X 7.7	46
10	140/0.3	1.91	0.8	1.3	20.2 X 8.8	66
16	126/0.4	1.21	0.8	1.4	23.6 X 10.0	85
25	196/0.4	0.78	1.0	1.5	28.9 X 12.0	113
35	276/0.4	0.554	1.0	1.6	32.7 X 13.4	139
50	396/0.4	0.386	1.2	1.7	38.7 X 15.5	156

XLPE INSULATED 3 CORE FLAT SUBMERSIBLE CABLE



APPLICATION

These cables are mainly used in submersible pump connections. These cables are specially designed keeping in mind the tough and severe conditions in which they are used. The wall between the cores perfectly separates them from coming in contact with each other and provides better mechanical and electrical strength compared to the traditional submersible flat cables.

CONSTRUCTION

Conductors: Electrolytic Annealed Plain Copper, IS 8130 Insulation: Cross-linked Polyethylene (XLPE) Core Identification: Red, Yellow (Center Core), Blue Sheath: PVC, Type ST 2, IS 5831 Sheath Color: Black (Knurling on the width on both sides)

TECHNICAL DATA

- Nominal Voltage: 1100 V
- Max. Operating Temperature: 90°C
- Test Voltage: 3 kV for 5 Min
- Minimum Bending Radius: Fixed, 4 X Cable Ø

CABLE DESIGN PARAMETERS

Cross sectional area (Sq. mm)	No of Strands / Max. strand dia. (mm)	Nominal Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approx. overall dimensions (W X H) (mm)	Max DC Conductor Resistance @ 20°C (Ω/Km)	Current carrying capacity (Ampere)
1.5	22/0.3	0.7	0.9	12.4 x 5.0	13.30	18
2.5	36/0.3	0.7	1.0	14.3 x 6.1	7.98	28
4.0	56/0.3	0.8	1.0	16.3 x 6.9	4.95	37
6.0	84/0.3	0.8	1.1	18.0 x 7.2	3.30	46

CURRENT RATING CONVERSION FACTOR FOR DEVIATING AMBIENT TEMPERATURE

Ambient Temperature (°C)	25	30	35	40	45	50
Derating Factor	1.16	1.11	1.06	1	0.95	0.88



A Quality Product by:

UNITECH CABLES

(An IS/ISO 9001:2015 certified company)

IS : 694



CM/L-3259864



Factory:

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