



C.R.I. CABLES

Quality to the core

**HIGH EFFICIENCY EVEN WITH
LOW POWER SUPPLY**



C.R.I. XLPE FLAT CABLES

C.R.I. XLPE INSULATED AND PVC SHEATHED FLAT CABLES

C.R.I. XLPE cables conform to IS 7098. High conductivity, annealed and bunched flexible copper conductors are twisted together and insulated with Cross-linked Polyethylene (XLPE) thermoset material, which gives high insulation resistance even at higher operating temperature 90°C. Sheathed with Special grade Heat resistant PVC material, both gives excellent mechanical, waterproof & radiation resistance.

ADVANTAGES

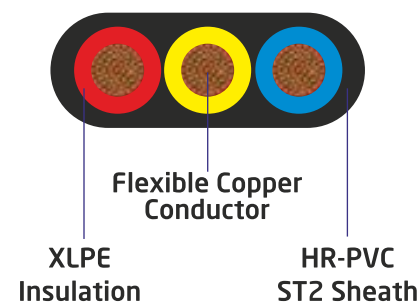
- High Insulation resistance
- High Current rating
- High short circuit rating (can withstand up to 250°C as against 160°C for PVC)
- High Overload capacity
- High ageing property and longer life than PVC
- Excellent moisture and weather resistance
- Resistance to grease, oils and chemicals, ozone and solvents

APPLICATIONS

These cables enjoy longer and trouble-free life in extreme temperature conditions. Suitable for giving the power connection in agricultural and residential submersible pump motors.

Specifications	
Voltage grade	1100 V
Temperature Range	-15 to +90°C
Conductor	High annealed bunched copper conductor
Insulation material	Cross-linked Polyethylene (XLPE)
Sheath Material	Heat Resistant HR - PVC ST2
Sheath colour	Black
Core colours	Red, Yellow & Blue

Available Sizes: 1.5 to 35.0 mm²



Size (mm ²)	Conductor Configuration (No./mm)	Insulation Thickness mm (Nom.)	Sheath Thickness mm (Nom.)	Width (mm)	Height (mm)	Conductor Resistance at 20°C (Ω/km)	Current Carrying Capacity (Amps)	
							PVC Insulation	XLPE Insulation
1.5	30/0.25*	0.60	0.90	10.25	4.65	13.30	14	18
2.5	50/0.25*	0.70	1.00	12.40	5.50	7.98	18	30
4.0	56/0.3*	0.70	1.00	14.00	6.20	4.95	26	37
6.0	84/0.3*	0.70	1.10	16.15	7.05	3.30	31	46
10.0	140/0.3*	0.70	1.20	20.05	8.55	1.91	42	66
16.0	226/0.3*	0.70	1.30	23.55	9.85	1.21	57	85
25.0	354/0.3*	0.90	1.50	29.45	12.20	0.78	72	113
35.0	495/0.3*	0.90	1.60	32.95	13.50	0.554	90	139

* Conductor dia may be changed as per respective conductor resistance mentioned in IS 8130 : 2013

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