



**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

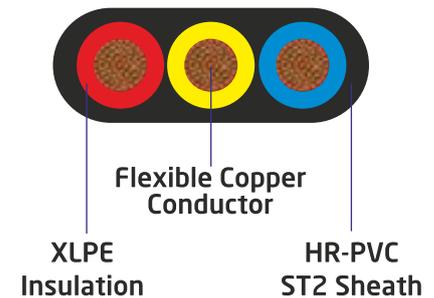
- High Insulation resistance
- High Current rating
- High short circuit rating (can withstand up to 250°C as against 160°C for PVC)
- High Overload capacity
- High ageing property and longer life than PVC
- Excellent moisture and weather resistance
- Resistance to grease, oils and chemicals, ozone and 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 mm<sup>2</sup>



Size (mm <sup>2</sup> )	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

