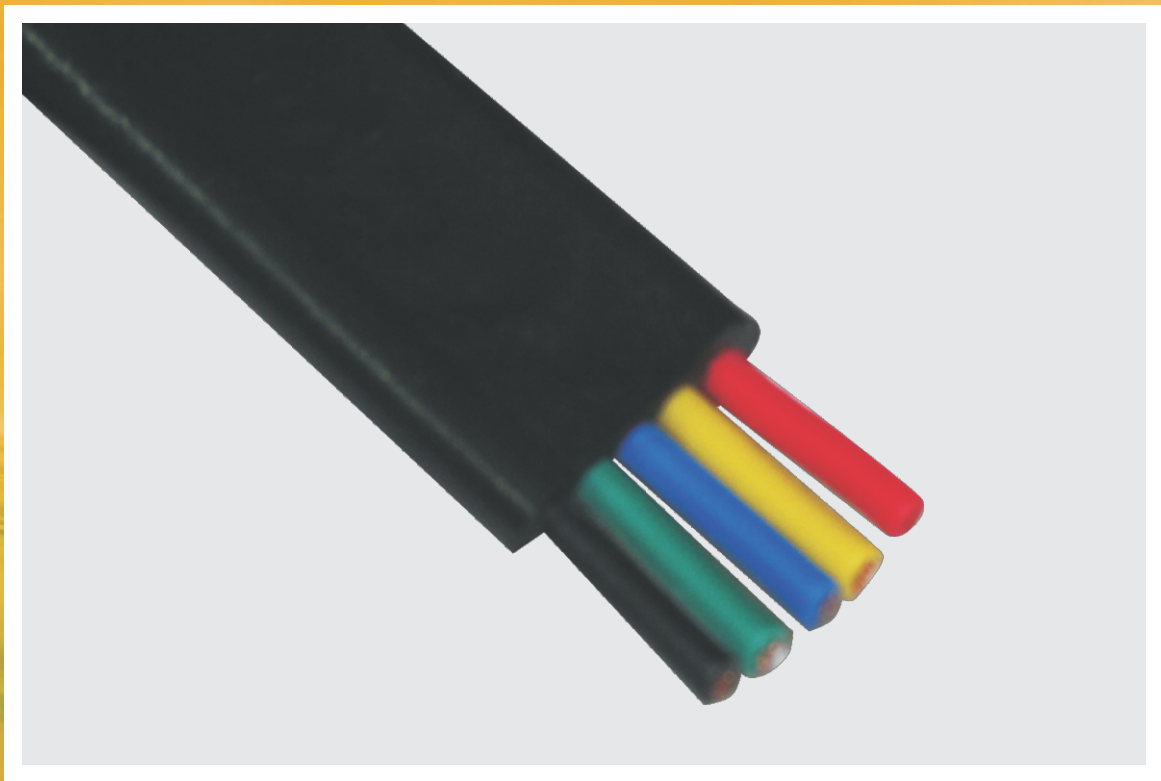




# MUNISU CABLE INDUSTRIES PVT. LTD.

## SUBMERSIBLE CABLES



**“Quality Is A Global Currency”**

**“Munisul” Your Quality Insurance Against Fire.**



# MUNISU CABLE INDUSTRIES

PVT. LTD.



3 CORE FLAT CABLES

**“Quality Is A Global Currency”**

**“Munisu” Your Quality Insurance Against Fire.**

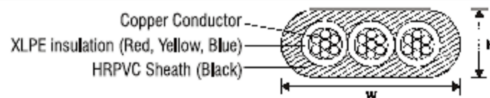


# MUNISU CABLE INDUSTRIES PVT. LTD.



## 3 CORE FLAT CABLES WITH COPPER CONDUCTOR XLPE INSULATION AND HR PVC SHEATH

### Technical Data



- **Conductor:** Flexible annealed electrolytic grade bare copper
- **Insulation:** Cross linked Polyethylene (XLPE)
- **Sheath:** Heat Resistant PVC Type ST2 (as per IS 5831 1984)

- **Voltage Grade:** Upto and including 1100V AC 50Hz 3Ph
- **Temperature:** Max conductor temperature of 90°C
- **Specification:** Generally as per IS 7098 (Part 1) 1988

Sr. No.	PARAMETER	Size (Sq. mm)						
		2.5	4.0	6.0	10.0	16.0	25.0	35.0
1	Conductor construction (No./mm)	36/0.3	56/0.3	84/0.3	140/0.3	226/0.3	354/0.3	495/0.3
2	Conductor Resistance at 20°C (Ω/km) Max.	7.41	4.95	3.3	1.91	1.21	0.780	0.554
3	Insulation Thickness(mm)	Nom.	0.7	0.70	0.70	0.70	0.90	0.90
4	Sheath Thickness(mm)	Nom.	1.0	1.0	1.1	1.2	1.5	1.6
5	Overall Dimensions (mm) Approx.	Width (W)	12.7	14.9	16.9	20.3	23.8	29.6
		Height (H)	6.0	6.6	7.4	9.1	10.4	14.4

The number of wires and its diameter in the conductor will be such as to satisfy requirement of the conductor resistance as per IS 8130 : 1984.

### Current Carrying Capacity (Amps) And Derating Factors

Sr. No.	CABLE TYPE	Size (Sq. mm)						
		2.5	4.0	6.0	10.0	16.0	25.0	35.0
1	PVC Insulation	18	26	31	42	57	72	90
2	XLPE Insulation	30	37	46	66	85	113	139
Ambient Temperature (Deg.C)		25	30	35	40	45	50	
Rating Factor		1.18	1.12	1.06	1.00	0.94	0.88	