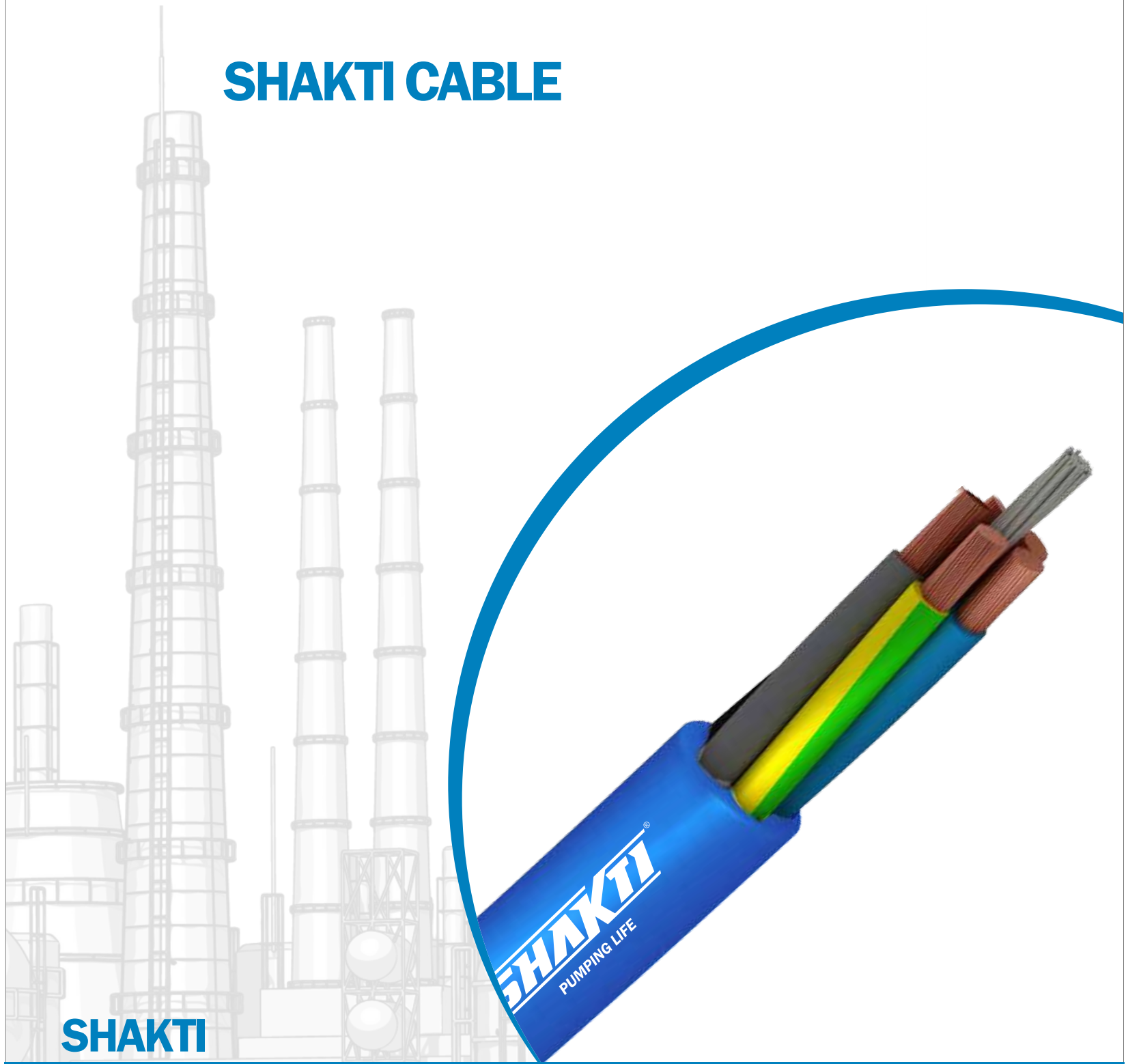


# SHAKTI CABLE



**SHAKTI**

**THE POWER OF INNOVATION, EFFICIENCY & TECHNOLOGY.**



## SHAKTI CABLE

### 3 CORE ROUND CABLE

The main characteristics of our PVC Compound are as follows:

- High dielectric strength.
- High Insulating Resistance Properties.
- Thermal Compatibility & High Mechanical Strength.
- Permanent Colours.
- Permanence : Physical & Electrical properties will not deteriorate even under Severe ageing conditions.
- Three Core Submersible Flat Cable in Voltage Grade 1100 V.

### TECHNICAL SPECIFICATION OF 3 CORE FLAT CABLE

- CABLE TYPE: flexible copper conductor PVC insulated cable
- INSULATION MATERIAL: PVC type A
- SHEATHING MATERIAL: ST 1
- VOLTAGE GRADE: 1100 V
- VOLUME RESISTANCE FOR INSULATION (27): 5-6 x OHM.CM
- VOLUME RESISTANCE FOR INSULATION (70):6-8 x OHM.CM
- TENSILE STRENGTH OF SHEATH: 15 N/
- ELONGATION: 205 N/
- BRAND NAME: SHAKTI

## WINDING WIRE

SIZE	COND DIA	NOW	RES OHM/KM	CORE DIA MM	INS. THICK .MM	CAB DIA MM	SH THICK. MM	CAB WT KG /100 MTR
1.5 sq mm X 3 core round	0.28	22	12.10	3.0	0.6	8.5	0.9	11.5
2.5 sq mm X 3 core round	0.28	36	7.41	3.5	0.7	9.6	1	15.9
4.0 sq mm X 3 core round	0.28	56	4.95	4.0	0.8	10.8	1	21.7
6.0 sq mm X 3 core round	0.28	85	3.30	4.7	0.8	12.35	1.2	30
10.0 sq mm X 3 core round	0.28	140	1.91	6	1.0	16	1.4	48
16.0 sq mm X 3 core round	0.28	228	1.21	7.2	1.0	18.5	1.4	70.2
25.0 sq mm X 3 core round	0.28	356	.780	8.8	1.2	22	1.5	105
35.0 sq mm X 3 core round	0.28	495	.554	10	1.2	24.7	1.6	139
50.0 sq mm X 3 core round	0.28	710	.386	12	1.4	30	2.0	201
70.0 sq mm X 3 core round	0.28	990	.272	14	1.4	35	2.2	275

Poly Coated winding wire should also follow Specification No.- SP -695 R-00.

Formula for conversion resistance at 20 °C

NOTE: 1.No Negative Tolerance is allowed in Copper & poly coated



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