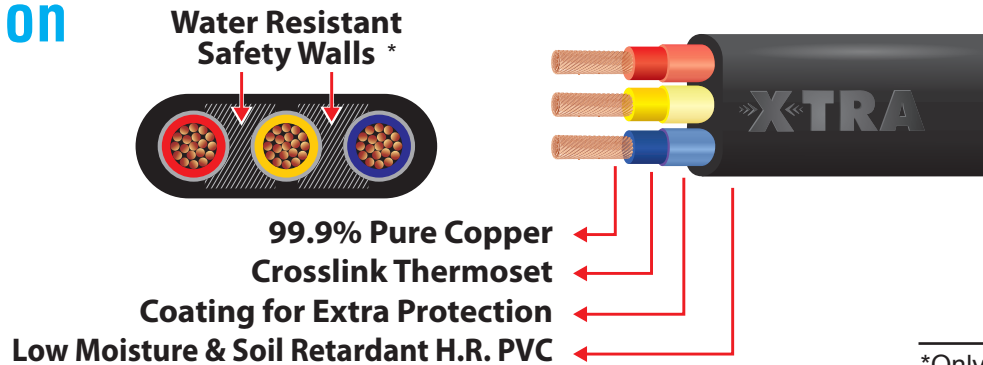


XTRA

Special Thermoset Polymer Insulated Core & PVC Sheathed Submersible Cable.

Construction



*Only for cables with extra width.

Description

EMGEE introduces Special Thermoset Polymer Insulated Core & PVC Sheathed Submersible Cable with excellent features for extra strength as compared to normal PVC insulated cable.

Features

- Can withstand upto 250°C under short circuit condition as against 160°C for PVC
- Suitable for frequent voltage fluctuation.
- High Mechanical Core strength to bear 20% Extra Torque

Technical Specifications

Conductor		Insulation Thickness (Nom) mm.	Sheath Thickness (Nom) mm.	Conductor Resistance @20°C (max) ohms/km.	Current Carrying Capacity @40°C Amps.	Water Moisture Absorption	Silicon Polymer Resistant to	Temp. Ratings (for all sizes)	
Area sq.mm.	No. of Strands/ Dia. mm.							Condition	Temp
1.5	22/0.3*	0.60	0.90	12.10	17	Less than 0.4 mg/cm ²	U.V. rays, Moisture, Oil & Chemicals in soil.	Normal	90°C
2.5	36/0.3*	0.70	1.00	7.410	23			Overload	125°C
4	56/0.3**	0.80	1.35	4.950	37			Short Circuit	250°C
6	84/0.3**	0.80	1.35	3.300	46			Cold	-10°C
8	112/0.3**	1.00	2.25	2.600	56			90% Retention (Elongation/ Tensile)	@ 90°C
10	140/0.3**	1.00	2.25	1.910	66				
16	226/0.3**	1.00	1.30	1.210	85				
25	354/0.3**	1.20	1.50	0.780	113				

Note:- The number of Wires and Strands Diameter will be such as to satisfy the requirement of conductor resistance as per IS 8130:1984

*As per class 2 of IS:8130/1984 **As per class 5 of IS:8130/1984

Current Carrying Capacity (Amps) Comparison Chart:

at standard voltage 50Hz cycles and ideal conditions as per IS:8034/2002

S.No.	Cable Type	Size						
		1.5	2.5	4	6	10	16	25
1	PVC Insulation	14	18	26	31	42	57	72
2	X-TRA	17	23	37	46	66	85	113