

XLPE UNARMoured



Kanbery Cable Code - XLPE UNARMoured-KAN

APPLICATIONS

Power cables for energy supply are installed outdoors, in underground, in water, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks, where mechanical damages are not to be expected.

CHARACTERISTICS

Voltage Rating

Up to and including 1100V

Temperature Rating

Fixed : -20°C to +90°C

Minimum Bending Radius

Singal Core : 15 X Overall Diameter

Multi Core : 12 X Overall Diameter

CONSTRUCTION

Conductor

Annealed stranded or bunched copper conductor
Class1 or 2 or 5 According to IEC 60228, IS 8130

Insulation

Specially formulated
XLPE Cross linked polyethylene compound

Inner Sheath

Sheathed with PVC Compound

Outer Sheath

Sheathed with PVC Type - ST-2, According to IS 5831

Core identification

2 Core : ● Red ● Blue
3 Core : ● Red ● Yellow ● Blue
4 Core : ● Red ● Yellow ● Blue ● Black

STANDARDS

IEC 60228

IEC 60332-1

IS 5831

THE CABLE LAB

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable

operations at: www.kanberycable.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable is compliant with European regulation EN 50575 and Buro Of Indian Std, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab as meeting the requirements of the BSI RoHS Trusted Kitemark™.



DIMENSIONS

KENBERY 1.1 KV 3 CORE COPPER CONDUCTOR XLPE INSULATED , INNER SHEATHED UN.ARMoured PVC SHEATHED CABLES (IS : 7098 PART 1) CABLE CODE : 2X-Y

Size (MM2)	Insulation XLPL Thickness In MM (NOM.)	Inner Sheath PVC Thickness In MM (MIN.)	Outer Sheath PVC Thickness In MM (MIN.)	Approx Outer Sheath O/D In MM	Approx Weight Of Cable (kgs./km)	Max.dc Conductor Resistance at 20° C (ohm/km)	Current Ratings (Amp.)	
							Direct In Ground	In Air
3 C X 1.5	0.70	0.30	1.80	11.60	185	12.10	23	22
3 C X 2.5	0.70	0.30	1.80	12.35	226	7.41	30	30
3 C X 4	0.70	0.30	1.80	13.85	304	4.61	44	39
3 C X 6	0.70	0.30	1.80	14.95	379	3.08	55	50
3 C X 10	0.70	0.30	1.80	17.10	541	1.83	74	67
3 C X 16	0.70	0.30	2.00	20.05	800	1.15	94	00
3 C X 25	0.90	0.40	2.00	20.10	946	0.727	120	85
3 C X 35	0.90	0.40	2.00	21.95	1241	0.524	145	125
3 C X 50	1.00	0.40	2.00	24.85	1700	0.387	170	155
3 C X 70	1.10	0.50	2.00	27.95	2255	0.268	210	190
3 C X 95	1.10	0.50	2.20	31.45	3034	0.193	250	235
3 C X 120	1.20	0.50	2.20	34.55	3801	0.153	285	290
3 C X 150	1.40	0.60	2.20	38.30	4702	0.124	315	330
3 C X 185	1.60	0.60	2.40	42.25	5737	0.0991	355	375
3 C X 240	1.70	0.70	2.60	47.05	7271	0.0754	410	435
3 C X 300	1.80	0.70	2.80	51.70	9011	0.0601	460	590
3 C X 400	2.00	0.70	3.00	58.75	11953	0.0470	520	670

De. Rating factors for variation in ambient temperature

Ambient Temperature °C	35°C	40°C	45°C	50°C	55°C	60°C	65°C
De. Rating Factor	1.08	1	0.91	0.82	0.7	0.57	0.4