

Dear Madam,

As discussed please add these 6 products with images and technical spec.

1 HT XLPE CABLES

2 FIBER OPTICAL CABLES

3. COAXIAL CABLES-

4. SOLAR CABLE

5 SUBMERSIBLE CABLE

HT XLPE Cables

KM Cables & Conductors were one of the largest supplier of variety of cables and an established name in India. Our wires and cables are most preferred with numerous installations throughout the country. The range of products includes Power cables, HT XLPE, LT XLPE and PVC Cables, Instrumentation Cables, House wires and Rubber cable.

Our HT XLPE Cables from up to 33 KV are manufactured at its modern manufacturing set up. Technological up gradation and Polymer revolution has replaced the conventional paper insulated cables and thermoplastic insulated cables with cross-linked Polyethylene (XLPE) having better electrical, mechanical and thermal properties with reduced cable weight and dimensions.

Advantages

- Higher Electrical Strength Retention
- Higher Short Circuit Rating
- Better Electrical, Mechanical & Thermal Properties
- Easy Jointing & Termination

Selecting the correct type and size of cable for the desired application is very important for any electrical project because the performance of all equipment largely depends upon the performance of cables.

Apart from the technical suitability and conformance the cost of every equipment has become another important aspect. The designers and consultants are constantly focusing on economically viable proposals in selecting the equipment.

Selecting the correct type and size of cable not only ensures the trouble free performance but also optimizes the cost of equipment, installation and other operation as well.

Keeping in view these aspects, we can provide the correct type and size of cable if we get the following information along with the inquiries of the cables:

SUPPLY SYSTEM:

- | | | |
|------------------------|---|---|
| System Earthing | : | solidly earthed OR non-effectively earthed. |
| Voltage grade | : | Rated and maximum system voltage. Permissible voltage drop if to be considered. |
| Current Rating | : | Type and magnitude of current (continuous, cyclic or Fluctuating). |
| Fault Current | : | System fault level OR Short Circuit / Earth Fault Current with Duration In Seconds. |

CONSTRUCTIONAL DETAIL

Conductor	:	Aluminium OR Copper , number of cores and size.
Screen	:	Screened OR unscreened
Inner Sheath	:	Taped OR Extruded OR FR/FRLS PVC
Outer Sheath	:	Armoured OR Unarmoured. If armoured then flat Strips OR round wires
Armour	:	Normal ST – 2 PVC OR FR / FRLS PVC
Drum Length	:	Any specific Drum Length with tolerance
Drum Size	:	Any limitations on dimensions / weight of drum

INSTALLATION DETAILS

Installation in	:	In ground OR in air OR in Duct . Whether exposed to direct sunlight.
Conditions	:	Type of soil and any other abnormal climatic conditions viz. Chemical / Fire Hazards. Route Length and number of circuits.

HT XLPE Cables / Single Core Cables

HT XLPE cable or high tension cross linked poly- ethylene cable are meant for withstanding high voltages under extreme electrical conditions. HT XLPE cables has emerged with better electrical, mechanical & thermal properties and succeeded in replacing paper insulated dielectric cables.

The designers and consultants at are constantly focusing on economically viable proposals in selecting the equipment without making any compromise with product quality & technical issues.

Dimensions

UNARMoured / ARMoured TYPE

HT - SINGLE CORE CABLES

3.3 KV, SINGLE CORE, ALUMINIUM CONDUCTOR, XLPE INSULATED, UNSCREENED, ARMoured / UNARMoured AND PVC SHEATHED CABLES CONFORMING TO IS:7098(PART-2)1985

Nominal area of conductor	Nominal thickness of insulation	UNARMoured CABLE		HARD DRAWN ALUMINIUM WIRE ARMOUR				CURRENT RATING	
		Nominal thickness of sheath	Approx Overall dia of cable	Nominal Thickness	Nominal dia of Aluminium wire	Minimum thickness of sheath	Approx Overall dia of cable	In Ground	In Air
Sq mm	mm	mm	mm	mm	mm	mm	mm	Amps	Amps
25	2.2	1.80	14.0	2.5	1.40	1.24	17.0	97	104
35	2.2	1.80	15.0	2.5	1.40	1.24	18.00	115	127
50	2.2	1.80	17.0	2.5	1.40	1.40	19.0	136	153
70	2.2	1.80	18.0	2.5	1.60	1.40	21.0	166	192
95	2.2	2.00	20.0	2.5	1.60	1.40	23.0	196	237
120	2.2	2.00	22.0	2.5	1.60	1.40	24.0	225	275
150	2.2	2.00	23.0	2.5	1.60	1.40	26.0	253	317

185	2.2	2.00	25.0	2.5	1.60	1.40	28.0	285	362
240	2.2	2.00	27.0	2.5	1.60	1.56	30.0	330	433
300	2.2	2.00	29.0	2.5	1.60	1.56	33.0	373	504
400	2.2	2.20	33.0	2.6	2.00	1.56	36.0	427	598
500	2.4	2.20	36.0	2.8	2.00	1.56	40.0	485	694
630	2.6	2.20	40.0	3.0	2.00	1.72	44.0	551	815
800	2.8	2.40	45.0	3.3	2.00	1.88	50.0	625	969
1000	3.0	2.60	50.0	3.5	2.50	2.04	55.0	692	1103

3.8 / 6.6 KV, SINGLE CORE, ALUMINIUM CONDUCTOR, XLPE INSULATED, SCREENED, ARMOURED / UNARMOURED AND PVC SHEATHED CABLES CONFORMING TO IS:7098(PART-2)1985

Nominal area of conductor	Nominal area of conductor	UNARMOURED CABLE		HARD DRAWN ALUMINIUM WIRE ARMOURED			CURRENT RATING	
		Nominal thickness of sheath	Approx Overall dia of cable	Nominal dia of Aluminium wire	Minimum thickness of sheath	Approx Overall dia of cable	In Ground	In Air
Sq mm	mm	mm	mm	mm	mm	mm	Amps	Amps
25	2.8	1.80	18.0	1.60	1.40	21.0	97	106
35	2.8	2.00	19.0	1.60	1.40	22.0	118	130
50	2.8	2.00	20.0	1.60	1.40	23.0	136	156
70	2.8	2.00	22.0	1.60	1.40	26.0	166	196
95	2.8	2.00	23.0	1.60	1.40	27.0	197	239
120	2.8	2.00	25.0	1.60	1.40	29.0	224	277
150	2.8	2.00	26.0	1.60	1.56	31.0	252	312
185	2.8	2.00	28.0	1.60	1.56	33.0	274	368
240	2.8	2.20	31.0	2.00	1.56	36.0	329	440
300	3.0	2.20	33.0	2.00	1.56	38.0	382	509
400	3.3	2.20	41.0	2.00	1.72	43.0	427	602
500	3.5	2.40	41.0	2.00	1.72	46.0	485	699
630	3.5	2.40	44.0	2.00	1.88	50.0	551	817
800	3.5	2.60	51.0	2.50	2.04	57.0	624	965
1000	3.6	2.80	56.0	2.50	2.20	61.0	692	1096

HT - SINGLE CORE CABLES

6.35 / 11 KV SINGLE CORE, ALUMINIUM CONDUCTOR, XLPE INSULATED, SCREENED ARMOURED / UNARMOURED AND PVC SHEATHED CABLES CONFORMING TO IS:7098(PART-2)1985

Nominal area of	Nominal thickness	UNARMOURED CABLE	HARD DRAWN ALUMINIUM WIRE ARMOURED	CURRENT RATING
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conductor	of insulation	Nominal thickness of sheath	Approx Overall dia of cable	Nominal dia of Aluminium wire	Minimum thickness of sheath	Approx Overall dia of cable	In Ground	In Air
							Amps	Amps
Sq.mm	mm	mm	mm	mm	mm	mm	Amps	Amps
25	3.6	2.00	20.0	1.60	1.40	22.0	97	107
35	3.6	2.00	21.0	1.60	1.40	24.0	115	134
50	3.6	2.00	22.0	1.60	1.40	25.0	135	160
70	3.6	2.00	24.0	1.60	1.40	27.0	165	200
95	3.6	2.00	26.0	1.60	1.40	29.0	197	245
120	3.6	2.00	27.0	1.60	1.56	31.0	224	286
150	3.6	2.00	29.0	1.60	1.56	32.0	251	324
185	3.6	2.20	31.0	2.00	1.56	35.0	283	373
240	3.6	2.20	34.0	2.00	1.56	36.0	328	445
300	3.6	2.20	36.0	2.00	1.56	39.0	371	513
400	3.6	2.20	39.0	2.00	1.72	43.0	425	603
500	3.6	2.40	43.0	2.00	1.72	46.0	484	705
630	3.6	2.40	46.0	2.00	1.88	50.0	550	821
800	3.6	2.60	52.0	2.50	2.04	55.0	623	964
1000	3.6	2.80	56.0	2.50	2.20	60.0	690	1094

11 / 11 KV, SINGLE CORE, ALUMINIUM CONDUCTOR, XLPE INSULATED, SCREEND ARMoured / UNARMoured AND PVC SHEATHED CABLES CONFORMING TO IS:7098(PART-2)1985

Nominal area of conductor	Nominal thickness of insulation	UNARMoured CABLE		HARD DRAWN ALUMINIUM WIRE ARMOUR			CURRENT RATING	
		Nominal thickness of sheath	Approx Overall dia of cable	Nominal dia of Aluminium wire	Minimum thickness of sheath	Approx Overall dia of cable	In Ground	In Air
Sq. mm	mm	mm	mm	mm	mm	mm	Amps	Amps
50	8.8	2.20	34.0	2.00	1.56	37.0	135	170
70	8.8	2.20	36.0	2.00	1.56	39.0	165	212
95	8.8	2.20	37.0	2.00	1.72	41.0	196	258
120	8.8	2.20	39.0	2.00	1.72	42.0	223	297
150	8.8	2.20	41.0	2.00	1.72	44.0	250	339
185	8.8	2.40	43.0	2.00	1.72	46.0	282	386
240	8.8	2.40	45.0	2.00	1.88	48.0	326	464
300	8.8	2.60	48.0	2.50	2.04	52.0	369	526
400	8.8	2.60	51.0	2.50	2.04	55.0	423	617
500	8.8	2.80	55.0	2.50	2.20	59.0	481	713
630	8.8	2.80	58.0	2.50	2.20	63.0	549	832

800	8.8	3.00	63.0	2.50	2.36	67.0	620	978
1000	8.8	3.20	67.0	3.15	2.52	72.0	686	1110