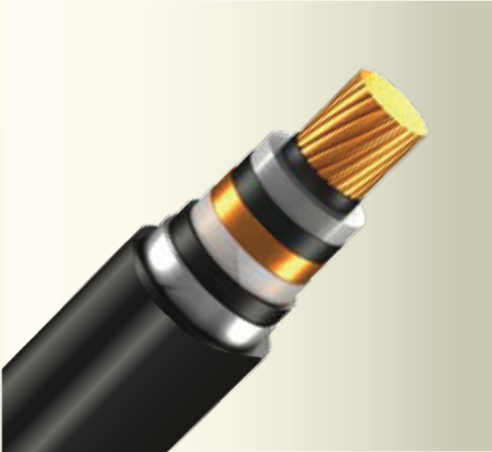


Single Core XLPE Insulated Power Cable

6.6kV 6/10 kV (12 kV)



Application :	This cable is used for urban networks. It can be installed aerially, in conduit, on open trays and in underground ducts.
Voltage rating :	6.6kV 6/10 kV (12 kV)
Construction :	<p>Conductor: Compact round stranded copper or aluminium</p> <p>Conductor Shield: Semi-conducting tape and /or semi-conducting cross-linked polyethylene</p> <p>Insulation: Cross-linked polyethylene</p> <p>Insulation Shield: Semi-conducting cross-linked polyethylene</p> <p>Shield: Copper tape shield</p> <p>Filler: Polypropylene (Nonhygroscopic material)</p> <p>Binding Tape: Polyester and/or non-woven tape (Optional: water blocking tape)</p> <p>Bedding: Black polyethylene (Optional: polyvinyl chloride)</p> <p>Armour: Aluminium wire armoured</p> <p>Sheath: Black polyvinylene (ST7) (Optional: polyvinyl chloride)</p>
Specification :	IEC60502-2

Nominal cross sectional area	Reference conductor diameter	Nominal insulation thickness	Approx overall diameter of cable	Approx weight of cable		Approx overall diameter of cable	Approx weight of cable	
				Cu Non Armoured	Al Non Armoured		Cu Aluminium Wire Armoured	Al Aluminium Wire Armoured
mm ²	mm	mm	mm	kg/km	kg/km	mm	kg/km	kg/km
25	6.0	3.4	20	586	426	30	2534	2375
35	7.1	3.4	21	710	483	31	2807	2529
50	8.4	3.4	22	845	547	33	3002	2705
70	10.0	3.4	24	1083	651	35	3400	2968
95	11.7	3.4	25	1393	774	36	3847	3228
120	13.1	3.4	27	1740	934	39	4400	3593
150	14.6	3.4	29	2029	1053	40	4844	3867
185	16.2	3.4	31	2367	1195	42	5307	4135
240	18.4	3.4	33	2952	1425	47	6439	4912
300	20.6	3.4	35	3675	1692	49	7880	5897
400	23.8	3.4	39	4529	2041	53	9101	6619
500	26.6	3.4	43	5561	2476	57	10560	7474
630	30.0	3.4	47	6875	2984	61	12263	8372
800	34.0	3.4	52	8344	3664	68	15487	10807
1000	38.0	3.4	56	10596	4403	72	18333	12140

Note: The approx weight of cable is the weight of PVC sheathed cable.

Single Core XLPE Insulated Power Cable

12/20 kV (24 kV)



Application :	This cable is used for urban networks. It can be installed aerially, in conduit, on open trays and in underground ducts.
Voltage rating :	12/20 kV (24 kV)
Construction :	<p>Conductor: Compact round stranded copper or aluminium</p> <p>Conductor Shield: Semi-conducting tape and /or semi-conducting cross-linked polyethylene</p> <p>Insulation: Cross-linked polyethylene</p> <p>Insulation Shield: Semi-conducting cross-linked polyethylene</p> <p>Shield: Copper tape shield</p> <p>Filler: Polypropylene (Nonhygroscopic material)</p> <p>Binding Tape: Polyester and/or non-woven tape (Optional: water blocking tape)</p> <p>Bedding: Black polyethylene (Optional: polyvinyl chloride)</p> <p>Armour: Aluminium wire armoured</p> <p>Sheath: Black polyvinylene (ST7) (Optional: polyvinyl chloride)</p>
Specification :	IEC60502-2

Nominal cross sectional area	Reference conductor diameter	Nominal insulation thickness	Approx overall diameter of cable	Approx weight of cable		Approx overall diameter of cable	Approx weight of cable	
				Cu Non Armoured	Al Non Armoured		Cu Aluminium Wire Armoured	Al Aluminium Wire Armoured
mm ²	mm	mm	mm	kg/km	kg/km	mm	kg/km	kg/km
35	7.1	5.5	25	879	651	36	3312	3084
50	8.4	5.5	26	1032	734	38	3407	3109
70	10.0	5.5	28	1281	849	39	3974	3542
95	11.7	5.5	30	1616	996	41	4447	3829
120	13.1	5.5	32	1954	1148	43	4940	4134
150	14.6	5.5	34	2267	1291	45	5394	4417
185	16.2	5.5	35	2602	1431	47	5911	4739
240	18.4	5.5	38	3205	1678	49	6907	5380
300	20.6	5.5	40	3614	1970	51	7292	5648
400	23.8	5.5	44	4817	2335	55	7587	6308
500	26.6	5.5	47	5868	2783	59	10160	7074
630	30.0	5.5	51	7179	3289	63	11822	7931
800	34.0	5.5	56	8707	4027	68	13813	9133
1000	38.2	5.5	63	11058	4866	75	16754	10561

Note: The approx weight of cable is the weight of PVC sheathed cable.