

Single Core XLPE Insulated Power Cable

12/20 kV (24 kV)



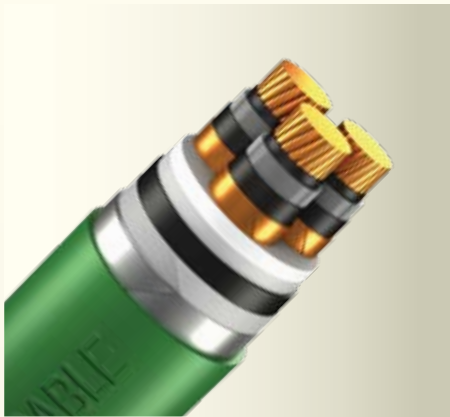
Application :	This cable is used for urban networks. It can be installed aerially, in conduit, on open trays and in underground ducts.
Voltage rating :	12/20 kV (24 kV)
Construction :	<p>Conductor: Compact round stranded copper or aluminium</p> <p>Conductor Shield: Semi-conducting tape and /or semi-conducting 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.

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Specification :	IEC60502-2

Non Armoured

Nominal cross sectional area	Reference conductor diameter	Nominal insulation thickness	Approx overall diameter of cable	Approx weight of cable	
				Cu	Al
				Non Armoured	Non Armoured
mm ²	mm	mm	mm	kg/km	kg/km
35	7.1	5.5	53	3168	2482
50	8.4	5.5	56	3676	2782
70	10.0	5.5	60	4514	3215
95	11.7	5.5	63	5572	3711
120	13.1	5.5	68	6695	4239
150	14.6	5.5	71	7764	4826
185	16.2	5.5	75	8914	5389
240	18.4	5.5	80	10879	6284
300	20.6	5.5	85	13328	7361

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

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Steel Tape Armoured

Nominal cross sectional area	Reference conductor diameter	Nominal insulation thickness	Approx overall diameter of cable	Approx weight of cable	
				Cu	Al
				Steel Tape Armoured	Steel Tape Armoured
mm ²	mm	mm	mm	kg/km	kg/km
35	7.1	5.5	58	4465	3779
50	8.4	5.5	61	5072	4178
70	10.0	5.5	65	6005	4705
95	11.7	5.5	69	7210	5349
120	13.1	5.5	74	8547	6121
150	14.6	5.5	77	10426	7488
185	16.2	5.5	81	11716	8191
240	18.4	5.5	88	14117	9521
300	20.6	5.5	93	16762	10795

Steel Wire Armoured

Nominal cross sectional area	Reference conductor diameter	Nominal insulation thickness	Approx overall diameter of cable	Approx weight of cable	
				Cu	Al
				Steel Wire Armoured	Steel Wire Armoured
mm ²	mm	mm	mm	kg/km	kg/km
35	7.1	5.5	64	7783	7097
50	8.4	5.5	67	8522	7628
70	10.0	5.5	72	9742	8442
95	11.7	5.5	76	11282	9422
120	13.1	5.5	82	12776	10350
150	14.6	5.5	84	14133	11196
185	16.2	5.5	88	15605	12080
240	18.4	5.5	94	18052	13456
300	20.6	5.5	99	20884	14917

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