

Low Voltage Cables



EG.Cables

Low Voltage Cables

Operating Voltage
(up to 1.8/3 kV)

Cable Construction

1. Conductor

Copper or Aluminium conductors, solid, stranded or flexible with round or sectoral shaped conductors.

2. Insulation

An extruded layer of PVC or XLPE is applied over the conductor. PVC insulated cables are suitable for maximum conductor operating temperature of 70°C or 85°C and 90°C for XLPE.

3. Assembly

In case of multicore cables' cores are assembled together using non hygroscopic filler (if needed) to fill space between cores, wrapped with suitable binder tape to form a round cable.

4. Bedding

In case of armoured cables an extruded layer of PVC or other material is applied as bedding.

5. Armouring

A. Steel Tape: Double layers of steel tapes are applied helically with gap.
B. Steel Wire: Galvanized steel wires are applied helically.

6. Sheath

An extruded layer of PVC is applied as an outer sheath, or according to the client special requirements.

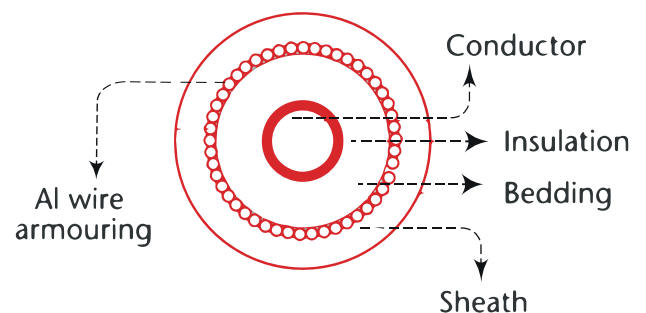
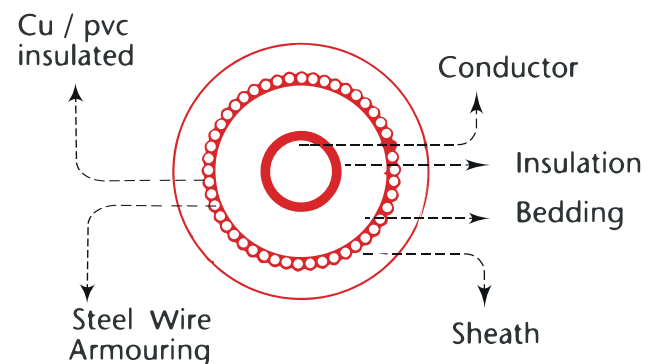
Option

Lead Sheath: Upon request a layer of lead is extruded over the bedding layer

Armouring of Single Core Cable

1. Armouring by non-magnetic material either Aluminium Tape or Aluminium Wire armouring to reduce the magnetic losses.

2. If it is required for single core cable to be armoured by steel wire armouring, the magnetic circuit around the single core cable should be interrupted by inserting insulated copper wires between the steel wires.



Armouring of Single Core Cable
Figure

Indoor Wires 450/750 V

Single Core Cables with stranded Copper Conductors and PVC Insulated



Cable Description

Soft annealed stranded Copper conductors insulated with PVC compound rated 70 °C or 90 °C according to IEC 60227 & 50525-2-31.

Application

For indoor fixed installations in dry locations, Laid in conduits, as well as in steel support brackets

Product Code	Nominal Cross Sectional Area (mm ²)	Max. Conductor Resistance		Current Rating in Air		Approx. Overall Diameter mm	Approx. Weight Kg/Km
		DC at 20 °C Ω /Km	AC at 70 °C Ω /Km	Free A	In Pipes A		
CU-PV-S01-RO1.5	1.5	12.1	14.6	20	15	2.8	20
CU-PV-T01-RT1.5	1.5	12.1	14.6	20	15	3	21
CU-PV-S01-RO2	2	9.15	10.9	22	17	3.2	27
CU-PV-T01-RT2	2	9.15	10.9	22	17	3.4	28
CU-PV-S01-RO2.5	2.5	7.41	8.89	28	22	3.4	31
CU-PV-T01-RT2.5	2.5	7.41	8.89	28	22	3.6	33
CU-PV-S01-RO3	3	6.1	7.41	31	24	3.6	36
CU-PV-T01-RT3	3	6.1	7.41	31	24	3.8	39
CU-PV-S01-RO4	4	4.61	5.51	37	26	3.9	46
CU-PV-T01-RT4	4	4.61	5.51	37	26	4.1	49
CU-PV-S01-RO6	6	3.08	3.68	46	33	4.4	66
CU-PV-T01-RT6	6	3.08	3.68	46	33	4.7	70
CU-PV-T01-RT10	10	1.83	2.17	66	47	5.8	109
CU-PV-T01-RT10	16	1.15	1.37	87	62	6.8	166
CU-PV-T01-25	25	0.727	0.8600	118	81	8.8	278
CU-PV-T01-35	35	0.524	0.6300	147	100	9.9	371
CU-PV-T01-50	50	0.387	0.4600	197	122	11.8	514
CU-PV-T01-70	70	0.268	0.3200	230	151	13.5	711
CU-PV-T01-95	95	0.193	0.2300	289	191	15.7	967
CU-PV-T01-120	120	0.153	0.1900	337	219	17.4	1240
CU-PV-T01-150	150	0.124	0.1500	385	252	19.4	1500
CU-PV-T01-185	185	0.0991	0.1200	449	288	21.5	1852
CU-PV-T01-240	240	0.0754	0.0920	542	345	24.7	2457
CU-PV-T01-300	300	0.0601	0.0750	621	391	27.2	2977

RO:Round, Solid

RT:Round, Stranded

Single Core Cables

with Flexible

Copper Conductors and PVC Insulated





Description

.Soft annealed Copper fine wires, bunched together in subunits or stranded bunched groups into a main units, which forms the flexible conductor. Insulated with soft PVC 70°C or 90°C Compound.

.Cables are produced according to IEC 60227 or BS EN 50525-2-31.

Application

For indoor fixed installations in dry locations, where particular flexibility is required. For electrical panels connection or for electrical apparatus they can be laid in groups around steel sheets.

Product Code	Nominal Cross Sectional Area (mm) ²	Maximum Diameter of Wires mm a	Max.Conductor Resistance		Current Rating in Air		Approx. Overall Diameter mm	Approx. Weight Kg/Km
			DC at 20 C°	AC at 70 C°	Free 	In Pipes 		
			/Km	/Km	A	A		
CU-PV-F01-1.5	1.5	0.26	13.3	15.9	20	15	3	20
CU-PV-F01-2.5	2.5	0.26	7.98	9.56	28	22	3.7	31
CU-PV-F01-4	4	0.31	4.95	5.93	37	26	4.2	44
CU-PV-F01-6	6	0.31	3.3	3.95	46	33	4.7	62
CU-PV-F01-10	10	0.41	1.91	2.29	66	47	6.2	108
CU-PV-F01-16	16	0.41	1.21	1.45	87	62	7.2	162
CU-PV-F01-25	25	0.41	0.78	0.9400	118	81	9.5	276
CU-PV-F01-35	35	0.41	0.554	0.6630	147	100	11.0	375
CU-PV-F01-50	50	0.41	0.386	0.4620	179	122	12.6	542
CU-PV-F01-70	70	0.51	0.272	0.3260	230	151	14.6	733
CU-PV-F01-95	95	0.51	0.206	0.2470	289	191	16.8	957
CU-PV-F01-120	120	0.51	0.161	0.1930	337	219	18.9	1243
CU-PV-F01-150	150	0.51	0.129	0.1550	385	252	21.2	1548
CU-PV-F01-185	185	0.51	0.106	0.1270	449	288	23.4	1895
CU-PV-F01-240	240	0.51	0.0801	0.0960	542	345	26.7	2400

Single Core Unarmoured Cables 0.6/1(1.2) KV

Single Core Cables, with Stranded Circular Copper Conductors, PVC Insulated and PVC Sheathed



Description

.Soft annealed Copper Conductor, Insulated with PVC compound rated 70 C and sheathed^o with PVC Compound Layer.

.Cables are produced according to IEC 60502.

Application

For Outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban network, industrial plants, as well as in thermopower and hydropower stations.

1 Core - CUa/PVC/PVC

Product Code	Nominal Cross Sectional Area (mm) ²	Max.Conductor Resistance		Current Rating						Approx. Overall Diameter mm	Approx. Weight Kg/Km
		DC at 20 °C Ω /Km	AC at 70 °C Ω /Km	Laid in ground			Laid in free air (Shaded)				
	Flat ○○○			Trefoil ⊙	Duct ⊙	Flat Separated ○○○	Flat Touched ○○○	Trefoil Touched ⊙			
	A	A	A	A	A	A					
CU-PV-PV-T01-4	4	4.61	5.51	53	53	38	50	37	35	7.1	87
CU-PV-PV-T01-6	6	3.08	3.68	65	66	47	65	48	46	7.6	113
CU-PV-PV-T01-10	10	1.83	2.17	88	89	62	89	9	62	8.3	154
CU-PV-PV-T01-16	16	1.15	1.37	113	113	77	108	85	79	9.3	216
CU-PV-PV-T01-25	25	0.727	0.8701	143	144	101	143	112	109	10.6	320
CU-PV-PV-T01-35	35	0.524	0.6273	171	173	123	176	138	134	11.7	410
CU-PV-PV-T01-50	50	0.387	0.4635	203	205	148	214	170	165	13.4	545
CU-PV-PV-T01-70	70	0.268	0.3214	248	252	183	271	215	209	15	745
CU-PV-PV-T01-95	95	0.193	0.232	296	301	224	332	267	259	17.1	1020
CU-PV-PV-T01-120	120	0.153	0.1845	337	342	255	386	310	301	18.5	1260
CU-PV-PV-T01-150	150	0.124	0.1501	378	383	292	442	357	347	20.5	1550
CU-PV-PV-T01-185	185	0.0991	0.1207	426	433	333	510	415	402	22.8	1925
CU-PV-PV-T01-240	240	0.0754	0.0931	494	501	393	608	496	481	25.8	2500
CU-PV-PV-T01-300	300	0.0601	0.0755	556	565	450	704	575	558	28.8	3110
CU-PV-PV-T01-400	400	0.047	0.0608	629	639	516	819	669	648	32	3975
CU-PV-PV-T01-500	500	0.0366	0.0495	709	721	594	957	777	753	36	5080
CU-PV-PV-T01-630	630	0.0283	0.041	792	807	672	1113	893	864	39.7	6385
CU-PV-PV-T01-800	800	0.0221	0.035	874	891	753	1284	1014	982	44.2	8260
CU-PV-PV-T01-1000	1000	0.0176	0.0308	956	975	845	1478	1154	1116	51.7	10345

Single Core Unarmoured Cables 0.6/1(1.2) KV

Single Core Cables, with Stranded Circular Aluminium Conductors, PVC Insulated and PVC Sheathed



Description

.Soft annealed Aluminum Conductor, Insulated with PVC compound rated 70 C and sheathed ° with PVC Compound Layer.

.Cables are produced according to IEC 60502.

Application

For Outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban network, industrial plants, as well as in thermopower and hydropower stations.

Product Code	Nominal Cross Sectional Area (mm)²	Max.Conductor Resistance		Current Rating						Approx. Overall Diameter mm	Approx. Weight Kg/Km
		DC at 20 °C Ω /Km	AC at 70 °C Ω /Km	Laid in ground			Laid in free air (Shaded)				
				Flat	Trefoil	Duct	Flat Separated	Flat Touched	Trefoil Touched		
				⊙⊙	⊙⊙	⊙⊙	⊙⊙⊙	⊙⊙⊙	⊙⊙⊙		
A	A	A	A	A	A						

1 Core - AL/PVC/PVC

AL-PV-PV-T01-16	16	1.91	2.2949	86	87	60	83	65	63	9.1	120
AL-PV-PV-T01-25	25	1.2	1.4419	111	112	79	111	87	85	10.6	170
AL-PV-PV-T01-35	35	0.868	1.0431	133	134	95	136	107	104	11.7	210
AL-PV-PV-T01-50	50	0.641	0.7704	157	159	115	166	132	128	13.4	265
AL-PV-PV-T01-70	70	0.443	0.5327	193	195	142	210	167	162	15	340
AL-PV-PV-T01-95	95	0.32	0.3851	230	233	174	258	207	201	17.1	445
AL-PV-PV-T01-120	120	0.253	0.3048	262	266	198	300	241	234	18.5	535
AL-PV-PV-T01-150	150	0.206	0.2485	294	298	227	343	278	269	20.5	655
AL-PV-PV-T01-185	185	0.164	0.1984	333	338	260	397	324	314	22.8	810
AL-PV-PV-T01-240	240	0.125	0.1519	386	392	307	473	388	376	25.7	1035
AL-PV-PV-T01-300	300	0.1	0.1224	437	444	353	548	451	438	28.7	1285
AL-PV-PV-T01-400	400	0.0778	0.0964	499	508	410	644	531	515	32	1615
AL-PV-PV-T01-500	500	0.0605	0.0764	570	580	478	757	625	605	35.9	2015
AL-PV-PV-T01-630	630	0.0469	0.0612	648	660	550	889	730	707	39.6	2515
AL-PV-PV-T01-800	800	0.0367	0.0503	730	744	630	1045	850	822	44.6	3170
AL-PV-PV-T01-1000	1000	0.0291	0.0425	814	830	719	1219	982	950	51.7	3950

Multi Core Unarmoured Cables 0.6/1(1.2) KV

Multicore Cables, with Stranded Circular Copper Conductors, PVC Insulated and PVC Sheathed



Description

.Multicore Cables of Stranded Copper Conductors are Insulated with PVC compound rated 70 °C, assembled together, Covered with overall jacket of PVC Compound.

.Cables are produced according to IEC 60502.

Application

For Outdoor and indoor installations in damp and wet locations.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

2 core cables - CU/PVC/PVC

CU-PV-PV-T02-RT1.5	1.5 RT	12.1	14.6	34	25	21	9.5	127
CU-PV-PV-T02-RT2.5	2.5 RT	7.41	8.87	43	33	29	10.4	163
CU-PV-PV-T02-RT4	4 RT	4.61	5.54	57	42	41	12.2	233
CU-PV-PV-T02-RT6	6 RT	3.08	3.69	72	53	52	13.4	300
CU-PV-PV-T02-RT10	10 RT	1.83	2.19	93	73	69	14.6	390
CU-PV-PV-T02-RT16	16 RT	1.15	1.39	122	86	92	16.6	550
CU-PV-PV-T02-RT25	25 RT	0.727	0.8701	156	114	121	20.1	730
CU-PV-PV-T02-RT35	35 RT	0.524	0.6273	189	137	149	22.3	940
CU-PV-PV-T02-ST50	50 ST	0.387	0.4634	236	165	186	22.5	1140
CU-PV-PV-T02-ST70	70 ST	0.268	0.3212	287	204	230	24.3	1565
CU-PV-PV-T02-ST95	95 ST	0.193	0.2317	346	249	287	28.6	2145
CU-PV-PV-T02-ST120	120 ST	0.153	0.1841	396	287	336	31.7	2630
CU-PV-PV-T02-ST150	150 ST	0.124	0.1496	443	325	383	34.5	3245
CU-PV-PV-T02-ST185	185 ST	0.0991	0.1201	503	373	446	39.2	4040
CU-PV-PV-T02-ST240	240 ST	0.0754	0.0923	582	439	528	43.8	5245
CU-PV-PV-T02-ST300	300 ST	0.0601	0.0745	653	497	601	47	6475
CU-PV-PV-T02-ST400	400 ST	0.047	0.0595	741	570	699	52.9	8310

3 core cables - CU/PVC/PVC

CU-PV-PV-T03-RT1.5	1.5 RT	12.1	14.6	27	21	20	10	150
CU-PV-PV-T03-RT2.5	2.5 RT	7.41	8.87	35	27	24	11	195
CU-PV-PV-T03-RT4	4 RT	4.61	5.54	46	36	34	12.8	282
CU-PV-PV-T03-RT6	6 RT	3.08	3.69	59	43	43	14.2	370
CU-PV-PV-T03-RT10	10 RT	1.83	2.19	78	57	59	15.5	490
CU-PV-PV-T03-RT16	16 RT	1.15	1.39	98	71	80	17.6	700
CU-PV-PV-T03-RT25	25 RT	0.727	0.8702	130	94	102	21.4	975
CU-PV-PV-T03-RT35	35 RT	0.524	0.6274	156	114	125	23.8	1270
CU-PV-PV-T03-ST50	50 ST	0.387	0.4635	189	136	151	24.2	1620
CU-PV-PV-T03-ST70	70 ST	0.268	0.3214	232	169	191	27.5	2280
CU-PV-PV-T03-ST95	95 ST	0.193	0.2319	278	205	235	31.6	3120
CU-PV-PV-T03-ST120	120 ST	0.153	0.1844	315	234	270	33.6	3820
CU-PV-PV-T03-ST150	150 ST	0.124	0.15	354	266	310	37.5	4685
CU-PV-PV-T03-ST185	185 ST	0.0991	0.1206	399	303	357	41.7	5870
CU-PV-PV-T03-ST240	240 ST	0.0754	0.0928	462	357	423	47.2	7680
CU-PV-PV-T03-ST300	300 ST	0.0601	0.0752	521	406	486	52.5	9600
CU-PV-PV-T03-ST400	400 ST	0.047	0.0603	593	468	567	59.7	12310
CU-PV-PV-T03-ST500	500 ST	0.0366	0.0489	668	534	650	66.4	15690

RT: Round, Stranded

ST: Sector, Stranded

Multi Core Unarmoured Cables 0.6/1(1.2) KV

Multicore Cables, with Stranded Circular Copper Conductors, PVC Insulated and PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

4 core cables - CU/PVC/PVC

CU-PV-PV-T04-RT1.5	1.5 RT	12.1	14.6	28	22	21	10.8	180
CU-PV-PV-T04-RT2.5	2.5 RT	7.41	8.87	36	28	25	11.9	235
CU-PV-PV-T04-RT4	4 RT	4.61	5.54	46	36	36	14	343
CU-PV-PV-T04-RT6	6 RT	3.08	3.69	60	44	45	15.6	454
CU-PV-PV-T04-RT10	10 RT	1.83	2.19	79	58	61	17	610
CU-PV-PV-T04-RT16	16 RT	1.15	1.39	99	73	83	19.6	880
CU-PV-PV-T04-RT25	25 RT	0.727	0.8702	131	96	105	23.5	1270
CU-PV-PV-T04-RT35	35 RT	0.524	0.6274	158	116	129	26.2	1660
CU-PV-PV-T04-ST50	50 ST	0.387	0.4635	195	141	161	28.3	2140
CU-PV-PV-T04-ST70	70 ST	0.268	0.3214	239	175	203	32.1	3025
CU-PV-PV-T04-ST95	95 ST	0.193	0.2319	285	211	247	35.8	4125
CU-PV-PV-T04-ST120	120 ST	0.153	0.1844	324	243	287	39.4	5095
CU-PV-PV-T04-ST150	150 ST	0.124	0.15	364	277	329	43.9	6245
CU-PV-PV-T04-ST185	185 ST	0.0991	0.1206	411	316	379	48.9	7840
CU-PV-PV-T04-ST240	240 ST	0.0754	0.0928	476	372	450	55.2	10195
CU-PV-PV-T04-ST300	300 ST	0.0601	0.0752	537	425	516	61.3	12720
CU-PV-PV-T04-ST400	400 ST	0.047	0.0603	610	490	601	69.9	16365
CU-PV-PV-T04-ST500	500 ST	0.0366	0.0489	689	561	690	77.4	20815

4 core cables with reduced neutral - CU/PVC/PVC

CU-PV-PV-T04-R1	25RT/16RT	0.727/1.15	0.8702/1.3762	130	95	103	22.6	1170
CU-PV-PV-T04-R2	35RT/16RT	0.524/1.15	0.6274/1.3762	157	115	126	24.6	1470
CU-PV-PV-T04-R3	50ST/25RT	0.387/0.727	0.4635/0.8702	195	141	161	28.3	1920
CU-PV-PV-T04-R4	70ST/35RT	0.268/0.524	0.3214/0.6274	239	175	203	31.9	2680
CU-PV-PV-T04-R5	95ST/50ST	0.193/0.387	0.2319/0.4635	282	209	243	34.3	3640
CU-PV-PV-T04-R6	120ST/70ST	0.153/0.268	0.1844/0.6214	322	241	282	37.7	4575
CU-PV-PV-T04-R7	150ST/70ST	0.124/0.268	0.15/0.6214	361	273	323	41.5	5440
CU-PV-PV-T04-R8	180ST/95ST	0.0991/0.193	0.1206/0.2319	407	311	372	46.4	6910
CU-PV-PV-T04-R9	240ST/120ST	0.0754/0.153	0.0928/0.1844	472	366	441	52.4	8905
CU-PV-PV-T04-R10	300ST/150ST	0.0601/0.124	0.0752/0.15	532	419	507	58.2	11105
CU-PV-PV-T04-R11	400ST/185ST	0.047/0.0991	0.0603/0.1206	605	482	590	65.9	14245
CU-PV-PV-T04-R12	500ST/240ST	0.0366/0.0754	0.0489/0.0928	682	550	676	73.3	18190

RT:Round, Stranded

ST: Sector, Stranded

Multi Core Unarmoured Cables 0.6/1(1.2) KV

Multicore Cables, with Stranded Aluminium Conductors, PVC Insulated and PVC Sheathed



Description

Multicore Cables of Stranded Aluminium Conductors are Insulated with PVC compound rated 70 °C, assembled together, Covered with overall jacket of PVC Compound.

Cables are produced according to IEC 60502.

Application

For Outdoor and indoor installations in damp and wet locations.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

2 core cables - AL/PVC/PVC

AL-PV-PV-T02-RT16	16 RT	1.91	2.295	94	68	71	17.1	310
AL-PV-PV-T02-RT25	25 RT	1.2	1.4419	121	88	94	20.1	430
AL-PV-PV-T02-RT35	35 RT	0.868	1.0431	147	106	116	22.3	535
AL-PV-PV-T02-RT50	50 RT	0.641	0.7704	174	128	141	25.7	670
AL-PV-PV-T02-RT70	70 RT	0.443	0.5327	214	158	178	29.1	865
AL-PV-PV-T02-RT95	95 RT	0.32	0.3851	256	191	218	33.1	1115
AL-PV-PV-T02-RT120	120 RT	0.253	0.3048	292	221	253	36.1	1360
AL-PV-PV-T02-RT150	150 RT	0.206	0.2485	327	249	288	39.9	1675
AL-PV-PV-T02-RT185	185 RT	0.164	0.1982	370	287	333	44.5	2070
AL-PV-PV-T02-RT240	240 RT	0.125	0.1518	429	338	394	50.3	2650
AL-PV-PV-T02-RT300	300 RT	0.1	0.1221	486	386	455	56.1	3285
AL-PV-PV-T02-RT400	400 RT	0.0778	0.096	556	447	529	62.9	4180

3 core cables - AL/PVC/PVC

AL-PV-PV-T03-RT16	16 RT	1.91	2.295	78	56	59	18.2	380
AL-PV-PV-T03-RT25	25 RT	1.2	1.442	101	73	79	21.4	525
AL-PV-PV-T03-RT35	35 RT	0.868	1.0432	121	89	97	23.8	655
AL-PV-PV-T03-ST50	50 ST	0.641	0.7704	147	106	117	24.2	775
AL-PV-PV-T03-ST70	70 ST	0.443	0.5327	180	131	148	27.5	1035
AL-PV-PV-T03-ST95	95 ST	0.32	0.3851	216	159	182	31.6	1370
AL-PV-PV-T03-ST120	120 ST	0.253	0.3048	245	182	210	33.6	1630
AL-PV-PV-T03-ST150	150 ST	0.206	0.2485	275	206	241	37.5	2015
AL-PV-PV-T03-ST185	185 ST	0.164	0.1983	311	236	278	41.7	2470
AL-PV-PV-T03-ST240	240 ST	0.125	0.1518	362	279	331	47.2	3225
AL-PV-PV-T02-ST300	300 ST	0.1	0.1222	409	318	381	52.5	3945
AL-PV-PV-T03-ST400	400 ST	0.0778	0.0961	470	371	449	59.7	5170
AL-PV-PV-T03-ST500	500 ST	0.0605	0.076	536	428	521	66.4	6470

RT:Round, Stranded

ST: Sector, Stranded

Multi Core Unarmoured Cables 0.6/1 (1.2) KV

Multicore Cables, with Stranded
Aluminium Conductors, PVC Insulated and
PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	●/km	●/km	A	A		

4 core cables - AL/PVC/PVC

AL-PV-PV-T04-RT16	16 RT	1.91	2.295	79	57	61	19.9	475
AL-PV-PV-T04-RT25	25 RT	1.2	1.442	102	75	81	23.5	675
AL-PV-PV-T04RT35	35 RT	0.868	1.0432	123	90	100	26.2	845
AL-PV-PV-T04-ST50	50 ST	0.641	0.7704	151	110	125	28.3	1025
AL-PV-PV-T04-ST70	70 ST	0.443	0.5327	185	136	157	32.1	1360
AL-PV-PV-T04-ST95	95 ST	0.32	0.3851	221	164	192	35.8	1805
AL-PV-PV-T04-ST120	120 ST	0.253	0.3048	252	189	223	39.4	2170
AL-PV-PV-T04-ST150	150 ST	0.206	0.2485	283	216	256	43.9	2685
AL-PV-PV-T04-ST185	185 ST	0.164	0.1983	321	247	296	48.9	3290
AL-PV-PV-T04-ST240	240 ST	0.125	0.1518	372	291	352	55.2	4235
AL-PV-PV-T04-ST300	300 ST	0.1	0.1222	421	333	405	61.3	5215
AL-PV-PV-T04-ST400	400 ST	0.0778	0.0961	484	388	477	69.9	6845
AL-PV-PV-T04-ST500	500 ST	0.0605	0.076	552	450	554	77.4	8485

4 core cables reduced AL/PVC/PVC

AL-PV-PV-T04-R13	25RT/16RT	1.2/1.91	1.442/2.295	101	74	80	22.6	630
AL-PV-PV-T04-R14	35RT/16RT	0.868/1.91	1.0432/2.295	122	89	98	24.6	760
AL-PV-PV-T04-R15	50ST/25RT	0.641/1.2	0.7704/1.442	151	110	125	28.3	935
AL-PV-PV-T04-R16	70ST/35RT	0.443/0.868	0.5327/1.0432	186	136	158	31.9	1225
AL-PV-PV-T04-R17	95ST/50ST	0.32/0.641	0.3851/0.7704	219	162	188	34.3	1620
AL-PV-PV-T04-R18	120ST/70ST	0.253/0.443	0.3048/0.5327	250	187	220	37.7	1960
AL-PV-PV-T04-R19	150ST/70ST	0.206/0.443	0.2485/0.5327	280	212	251	41.5	2360
AL-PV-PV-T04-R20	185ST/95ST	0.164/0.32	0.1983/0.3851	318	243	190	46.4	2905
AL-PV-PV-T04-R21	240ST/120ST	0.125/0.253	0.1518/0.3048	369	287	345	52.4	3720
AL-PV-PV-T04-R22	300ST/150ST	0.1/0.206	0.1222/0.2485	417	328	397	58.2	4615
AL-PV-PV-T04-R23	400ST/185ST	0.0778/0.164	0.0961/0.1983	479	382	467	65.9	5970
AL-PV-PV-T04-R24	500ST/240ST	0.0605/0.125	0.076/0.1518	547	441	543	73.3	7485

RT: Round, Stranded

ST: Sector, Stranded

Multi Core STA Cables 0.6/1 (1.2) KV

Multicore Cables, with Stranded
Copper Conductors, PVC Insulated, Steel Tape
Armoured and PVC Sheathed



Description

.Multicore Cables of Stranded Copper Conductors are Insulated with PVC compound rated 70 °C, assembled together, armoured with steel tape and covered with overall jacket of PVC Compound.

.Cables are produced according to IEC 60502.

Application

For Outdoor installations in damp and wet locations, where mechanical damages are expected to occur.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		
2 core cables - CU/PVC/STA/PVC								
CU-PV-EP-PV-T02-RT6	6 RT	3.08	3.69	71	53	53	16.4	740
CU-PV-EP-PV-T02-RT10	10 RT	1.83	2.19	93	73	70	17.4	570
CU-PV-EP-PV-T02-RT16	16 RT	1.15	1.39	121	86	93	19.4	750
CU-PV-EP-PV-T02-RT25	25 RT	0.727	0.8701	155	114	123	22.3	930
CU-PV-EP-PV-T02-ST35	35 ST	0.524	0.6273	187	138	151	24.5	1165
CU-PV-EP-PV-T02-ST50	50 ST	0.387	0.4634	232	167	187	24.7	1350
CU-PV-EP-PV-T02-ST70	70 ST	0.268	0.3212	283	203	231	26.5	1785
CU-PV-EP-PV-T02-ST95	95 ST	0.193	0.2317	339	250	287	31.4	2455
CU-PV-EP-PV-T02-ST120	120 ST	0.153	0.1841	391	290	339	35.7	3295
CU-PV-EP-PV-T02-ST150	150 ST	0.124	0.1496	438	328	385	38.3	3910
CU-PV-EP-PV-T02-ST185	185 ST	0.0991	0.1201	496	375	447	43.2	4845
CU-PV-EP-PV-T02-ST240	240 ST	0.0754	0.0923	573	440	527	47.8	6130
CU-PV-EP-PV-T02-ST300	300 ST	0.0601	0.0745	640	496	597	51.2	7450
CU-PV-EP-PV-T02-ST400	400 ST	0.047	0.0595	726	570	691	57.1	9400
3 core cables - CU/PVC/STA/PVC								
CU-PV-EP-PV-T03-RT4	4 RT	4.61	5.54	45	36	35	15.8	440
CU-PV-EP-PV-T03-RT6	6 RT	3.08	3.69	58	43	44	17	545
CU-PV-EP-PV-T03-RT10	10 RT	1.83	2.19	77	57	59	18.4	680
CU-PV-EP-PV-T03-RT16	16 RT	1.15	1.39	96	72	81	20.5	910
CU-PV-EP-PV-T03-RT25	25 RT	0.727	0.8702	128	95	103	23.6	1210
CU-PV-EP-PV-T03-RT35	35 RT	0.524	0.6274	154	114	126	26	1535
CU-PV-EP-PV-T03-ST50	50 ST	0.387	0.4635	198	140	161	26.6	1860
CU-PV-EP-PV-T03-ST70	70 ST	0.268	0.3214	242	176	203	30.1	2560
CU-PV-EP-PV-T03-ST95	95 ST	0.193	0.2319	293	215	255	35.6	3780
CU-PV-EP-PV-T03-ST120	120 ST	0.153	0.1844	333	245	293	37.4	4500
CU-PV-EP-PV-T03-ST150	150 ST	0.124	0.15	373	278	336	41.7	5490
CU-PV-EP-PV-T03-ST185	185 ST	0.0991	0.1206	421	317	387	45.9	6750
CU-PV-EP-PV-T03-ST240	240 ST	0.0754	0.0928	488	373	460	51.4	8660
CU-PV-EP-PV-T03-ST300	300 ST	0.0601	0.0752	551	424	531	56.5	10665
CU-PV-EP-PV-T03-ST400	400 ST	0.047	0.0603	627	492	621	63.9	13545
CU-PV-EP-PV-T03-ST500	500 ST	0.0366	0.0489	706	560	714	70.6	17060

RT:Round, Stranded
ST: Sector, Stranded

Multi Core STA Cables 0.6/1 (1.2) KV

Multicore Cables, with Stranded
Copper Conductors, PVC Insulated, Steel Tape
Armoured and PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	●/km	●/km	A	A		

4 core cables - CU/PVC/STA/PVC

CU-PV-EP-PV-T04-RT4	4 RT	4.61	5.54	47	37	37	17	520
CU-PV-EP-PV-T04-RT6	6 RT	3.08	3.69	60	45	46	18.4	650
CU-PV-EP-PV-T04-RT10	10 RT	1.83	2.19	80	59	63	19.8	820
CU-PV-EP-PV-T04-RT16	16 RT	1.15	1.39	100	74	85	22.2	1120
CU-PV-EP-PV-T04-RT25	25 RT	0.727	0.8702	130	96	105	25.7	1505
CU-PV-EP-PV-T04-RT35	35 RT	0.524	0.6274	156	117	130	28.4	1925
CU-PV-EP-PV-T04-ST50	50 ST	0.387	0.4635	204	148	172	31.1	2455
CU-PV-EP-PV-T04-ST70	70 ST	0.268	0.3214	252	184	220	35.9	3680
CU-PV-EP-PV-T04-ST95	95 ST	0.193	0.2319	301	222	269	39.6	4855
CU-PV-EP-PV-T04-ST120	120 ST	0.153	0.1844	343	257	312	43.4	5920
CU-PV-EP-PV-T04-ST150	150 ST	0.124	0.15	386	291	359	48.1	7185
CU-PV-EP-PV-T04-ST185	185 ST	0.0991	0.1206	436	333	415	53.1	8875
CU-PV-EP-PV-T04-ST240	240 ST	0.0754	0.0928	506	391	494	59.4	11345
CU-PV-EP-PV-T04-ST300	300 ST	0.0601	0.0752	571	447	570	65.5	14000
CU-PV-EP-PV-T04-ST400	400 ST	0.047	0.0603	650	517	667	74.3	17860
CU-PV-EP-PV-T04-ST500	500 ST	0.0366	0.0489	726	582	774	83	23230

4 core cables reduced CU/PVC/STA/PVC

CU-PV-EP-PV-T04-REP25	25RT/16RT	0.727/1.15	0.8702/1.3762	129	96	104	24.8	1395
CU-PV-EP-PV-T04-REP26	35RT/16RT	0.524/1.15	0.6274/1.3762	155	116	127	26.8	1715
CU-PV-EP-PV-T04-REP27	50ST/25RT	0.387/0.727	0.4635/0.8702	193	143	162	30.5	2225
CU-PV-EP-PV-T04-REP28	70ST/35RT	0.268/0.524	0.3214/0.6274	236	176	203	34.5	3050
CU-PV-EP-PV-T04-REP29	95ST/50ST	0.193/0.387	0.2319/0.4635	298	220	264	38.1	4340
CU-PV-EP-PV-T04-REP30	120ST/70ST	0.153/0.268	0.1844/0.3214	340	253	307	41.7	5365
CU-PV-EP-PV-T04-REP31	150ST/70ST	0.124/0.268	0.15/0.3214	381	286	351	45.7	6330
CU-PV-EP-PV-T04-REP32	185ST/95ST	0.0991/0.193	0.1206/0.2319	432	329	407	50.4	7860
CU-PV-EP-PV-T04-REP33	240ST/120ST	0.0754/0.153	0.0928/0.1844	501	385	484	56.4	9975
CU-PV-EP-PV-T04-REP34	300ST/150ST	0.0601/0.124	0.0752/0.15	565	440	558	62.2	12285
CU-PV-EP-PV-T04-REP35	400ST/185ST	0.047/0.0991	0.0603/0.1206	642	509	651	70.3	15650
CU-PV-EP-PV-T04-REP36	500ST/240ST	0.0366/0.0754	0.0489/0.0928	726	582	754	78.9	20475

RT:Round, Stranded

ST: Sector, Stranded

Multi Core STA Cables 0.6/1 (1.2) KV

Multicore Cables, with Stranded Aluminium Conductors, PVC Insulated, Steel Tape Armoured and PVC Sheathed



Description

Multicore Cables of Stranded Aluminium Conductors are Insulated with PVC compound rated 70 °C, assembled together, armoured with steel tape and covered with overall jacket of PVC Compound.

Cables are produced according to IEC 60502.

Application

For Outdoor installations in damp and wet locations, where mechanical damages are expected to occur.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

2 core cables - AL/PVC/STA/PVC

AL-PV-EP-PV-T02-RT16	16 RT	1.91	2.295	93	68	72	19.3	485
AL-PV-EP-PV-T02-RT25	25 RT	1.2	1.4419	120	89	95	22.3	635
AL-PV-EP-PV-T02-RT35	35 RT	0.868	1.0431	145	107	117	24.5	755
AL-PV-EP-PV-T02-RT50	50 RT	0.641	0.7704	172	129	142	27.9	930
AL-PV-EP-PV-T02-RT70	70 RT	0.443	0.5327	212	160	179	31.3	1155
AL-PV-EP-PV-T02-RT95	95 RT	0.32	0.3851	252	192	217	35.9	1500
AL-PV-EP-PV-T02-RT120	120 RT	0.253	0.3048	289	224	255	40.1	2140
AL-PV-EP-PV-T02-RT150	150 RT	0.206	0.2485	324	253	290	43.7	2515
AL-PV-EP-PV-T02-RT185	185 RT	0.164	0.1982	366	289	333	48.5	3030
AL-PV-EP-PV-T02-RT240	240 RT	0.125	0.1518	425	339	394	54.3	3730
AL-PV-EP-PV-T02-RT300	300 RT	0.1	0.1221	481	388	453	60.3	4515
AL-PV-EP-PV-T02-RT400	400 RT	0.0778	0.096	549	449	526	67.1	5550

3 core cables - AL/PVC/STA/PVC

AL-PV-EP-PV-T03-RT16	16 RT	1.91	2.295	77	57	60	20.4	575
AL-PV-EP-PV-T03-RT25	25 RT	1.2	1.442	99	74	80	23.6	765
AL-PV-EP-PV-T03-RT35	35 RT	0.868	1.0432	120	89	98	26	925
AL-PV-EP-PV-T03-ST50	50 ST	0.641	0.7704	153	109	125	26.6	1020
AL-PV-EP-PV-T03-ST70	70 ST	0.443	0.5327	188	137	158	30.1	1315
AL-PV-EP-PV-T03-ST95	95 ST	0.32	0.3851	227	167	198	35.6	2030
AL-PV-EP-PV-T03-ST120	120 ST	0.253	0.3048	259	191	228	37.4	2310
AL-PV-EP-PV-T03-ST150	150 ST	0.206	0.2485	290	217	261	41.7	2820
AL-PV-EP-PV-T03-ST185	185 ST	0.164	0.1983	329	248	302	45.9	3350
AL-PV-EP-PV-T03-ST240	240 ST	0.125	0.1518	383	293	461	51.4	4210
AL-PV-EP-PV-T03-ST300	300 ST	0.1	0.1222	434	334	418	56.5	5010
AL-PV-EP-PV-T03-ST400	400 ST	0.0778	0.0961	499	391	494	63.9	6405
AL-PV-EP-PV-T03-ST500	500 ST	0.0605	0.076	569	452	575	70.6	7835

RT:Round, Stranded
ST:Sector, Stranded

Multi Core STA Cables 0.6/1(1.2) KV

Multicore Cables, with Stranded Aluminium Conductors, PVC Insulated, Steel Tape Armoured and PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
	mm ²	Ω/km	Ω/km	A	A	A	mm	Kg/Km

4 core cables - AL/PVC/STA/PVC

AL-PV-EP-PV-T04-RT16	16 RT	1.91	2.295	78	57	62	22.1	670
AL-PV-EP-PV-T04-RT25	25 RT	1.2	1.442	101	75	82	25.7	910
AL-PV-EP-PV-T04-RT35	35 RT	0.868	1.0432	121	91	100	28.4	1105
AL-PV-EP-PV-T04-ST50	50 ST	0.641	0.7704	158	115	134	31.1	1340
AL-PV-EP-PV-T04-ST70	70 ST	0.443	0.5327	196	143	171	35.9	2015
AL-PV-EP-PV-T04-ST95	95 ST	0.32	0.3851	234	172	209	39.6	2535
AL-PV-EP-PV-T04-ST120	120 ST	0.253	0.3048	267	200	243	43.4	2995
AL-PV-EP-PV-T04-ST150	150 ST	0.206	0.2485	300	227	297	48.1	3620
AL-PV-EP-PV-T04-ST185	185 ST	0.164	0.1983	341	260	324	53.1	4325
AL-PV-EP-PV-T04-ST240	240 ST	0.125	0.1518	397	306	387	59.4	5390
AL-PV-EP-PV-T04-ST300	300 ST	0.1	0.1222	449	351	448	65.5	6495
AL-PV-EP-PV-T04-ST400	400 ST	0.0778	0.0961	517	411	530	74.3	8340
AL-PV-EP-PV-T04-ST500	500 ST	0.0605	0.076	592	476	623	83	10900

4 core cables with reduced neutral - AL/PVC/STA/PVC

AL-PV-EP-PV-T04-REP37	25RT/16RT	1.2/1.91	0.8702/1.3762	100	74	81	24.8	855
AL-PV-EP-PV-T04-REP38	35RT/16RT	0.868/1.91	0.6274/1.3762	120	90	99	26.8	1005
AL-PV-EP-PV-T04-REP39	50ST/25RT	0.641/1.2	0.4635/0.8702	149	111	125	30.5	1240
AL-PV-EP-PV-T04-REP40	70ST/35RT	0.443/0.868	0.3214/0.6274	183	137	158	34.5	1600
AL-PV-EP-PV-T04-REP41	95ST/50ST	0.32/0.641	0.2319/0.4635	232	171	205	38.1	2315
AL-PV-EP-PV-T04-REP42	120ST/70ST	0.253/0.443	0.1844/0.3214	265	197	239	41.7	2750
AL-PV-EP-PV-T04-REP43	150ST/70ST	0.206/0.443	0.15/0.3214	297	223	273	45.7	3245
AL-PV-EP-PV-T04-REP44	185ST/95ST	0.164/0.32	0.1206/0.2319	432	257	318	50.4	3860
AL-PV-EP-PV-T04-REP45	240ST/120ST	0.125/0.253	0.0928/0.1844	393	302	379	56.4	4790
AL-PV-EP-PV-T04-REP46	300ST/150ST	0.1/0.206	0.0752/0.15	445	346	439	62.2	5795
AL-PV-EP-PV-T04-REP47	400ST/185ST	0.0778/0.164	0.0603/0.1206	511	404	517	70.3	7375
AL-PV-EP-PV-T04-REP48	500ST/240ST	0.0605/0.125	0.0489/0.0928	585	468	607	78.9	9775

RT:Round, Stranded

ST: Sector, Stranded

0.6/1 (1.2) KV Single Core Unarmoured Cables

Single Core Cables, with Stranded

Circular Copper Conductors, XLPE

Insulated and PVC Sheathed



Description

. Soft annealed stranded Copper conductor, Insulated with XLPE compound covered with a layer of PVC compound to form the overall jacket.

- Cables are Produced according to IEC 60502 or BS 7889.

Application

- For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, in industrial plants, as well as in Thermopower and Hydropower stations.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating						Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground			Laid in free air (Shaded)				
				Flat	Trefoil	Duct	Flat Separated	Flat Touched	Trefoil Touched		
mm ²	Ω/km	Ω/km	A	A	A	A	A	A	mm	Kg/Km	

1 Core - Cu/XLPE/PVC

CU-XL-PV-T01-4	4	4.61	5.54	60	60	42	65	47	44	6.5	75
CU-XL-PV-T01-6	6	3.08	3.69	76	77	56	80	59	59	7	98
CU-XL-PV-T01-10	10	1.83	2.19	103	105	72	103	79	75	7.7	135
CU-XL-PV-T01-16	16	1.15	1.39	129	131	92	142	110	105	8.7	195
CU-XL-PV-T01-25	25	0.727	0.9272	166	168	118	179	138	134	10	285
CU-XL-PV-T01-35	35	0.524	0.6685	199	201	143	220	171	166	11.1	380
CU-XL-PV-T01-50	50	0.387	0.4939	236	239	172	269	210	204	12.6	500
CU-XL-PV-T01-70	70	0.268	0.3425	288	292	214	340	268	260	14.4	700
CU-XL-PV-T01-95	95	0.193	0.2472	344	349	259	418	331	321	16.1	950
CU-XL-PV-T01-120	120	0.153	0.1965	391	397	298	486	386	375	17.7	1190
CU-XL-PV-T01-150	150	0.124	0.1598	439	445	339	557	446	433	19.7	1465
CU-XL-PV-T01-185	185	0.0991	0.1285	496	503	390	646	519	503	21.8	1815
CU-XL-PV-T01-240	240	0.0754	0.099	574	583	457	771	622	602	24.6	2365
CU-XL-PV-T01-300	300	0.0601	0.0803	647	658	524	895	722	699	27.4	2945
CU-XL-PV-T01-400	400	0.047	0.0645	732	744	603	1044	842	815	30.6	3780
CU-XL-PV-T01-500	500	0.0366	0.0525	826	840	695	1222	981	950	34.6	4845
CU-XL-PV-T01-630	630	0.0283	0.0431	925	942	794	1420	1132	1096	38.9	6165
CU-XL-PV-T01-800	800	0.0221	0.0366	1022	1042	894	1639	1291	1249	43.8	8045
CU-XL-PV-T01-1000	1000	0.0176	0.0321	1119	1142	999	1894	1473	1423	51.1	10050

0.6/1 (1.2) KV

Single Core Cables, with Stranded

Aluminium Copper Conductors, XPLE

Insulated and PVC Sheathed









Description

Soft annealed stranded Aluminum conductor, Insulated with XLPE compound covered with a layer of PVC compound to form the overall jacket.

- Cables are according to IEC 60502.

Application

For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, in industrial plants, as well as in Thermopower and Hydropower stations

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating						Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground			Laid in free air (Shaded)				
				Flat	Trefoil	Duct	Flat Separated	Flat Touched	Trefoil Touched		
											
mm ²	Ω/km	Ω/km	A	A	A	A	A	A	mm	Kg/Km	

1 Core - AL/XLPE/PVC

AL-XL-PV-T01-16	16	1.91	2.4489	100	101	70	104	80	77	8.5	100
AL-XL-PV-T01-25	25	1.2	1.5387	129	130	92	139	107	104	10	140
AL-XL-PV-T01-35	35	0.868	1.1131	154	156	111	171	133	129	11.1	175
AL-XL-PV-T01-50	50	0.641	0.8221	183	185	134	208	163	158	12.6	220
AL-XL-PV-T01-70	70	0.443	0.5684	224	227	166	264	208	202	14.4	295
AL-XL-PV-T01-95	95	0.32	0.4109	267	271	201	324	256	249	16.1	380
AL-XL-PV-T01-120	120	0.253	0.3252	304	309	232	377	300	291	17.7	465
AL-XL-PV-T01-150	150	0.206	0.2651	341	346	263	432	346	336	19.7	575
AL-XL-PV-T01-185	185	0.164	0.2116	386	392	304	502	404	392	21.8	700
AL-XL-PV-T01-240	240	0.125	0.162	448	456	357	599	485	470	24.5	900
AL-XL-PV-T01-300	300	0.1	0.1305	507	516	411	696	566	548	27.3	1115
AL-XL-PV-T01-400	400	0.0778	0.1026	580	590	478	819	667	646	30.6	1420
AL-XL-PV-T01-500	500	0.0605	0.0813	663	675	558	965	787	762	34.5	1785
AL-XL-PV-T01-630	630	0.0469	0.0649	754	768	647	1131	922	892	38.8	2300
AL-XL-PV-T01-800	800	0.0367	0.053	850	867	744	1329	1077	1042	44.2	2950
AL-XL-PV-T01-1000	1000	0.0291	0.0446	949	968	847	1556	1249	1207	51.1	3655

0.6/1 (1.2) KV Multi Core Unarmoured Cables

Multicore Cables, with Stranded, Copper

Conductors, XLPE Insulated and PVC

Sheathed



Description

•• Multicore cables of stranded Copper conductors are insulated with XLPE compound, assembled together and covered with an overall jacket of PVC compound.

•• Cables are produced according to IEC 60502.

Application

•• For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, in industrial plants, as well as in Thermopower and Hydropower Stations.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
mm ²	Ω/km	Ω/km	A	A	A	mm	Kg/Km	
2 core cables - Cu/XLPE/PVC								
CU-XL-PV-T02-RT1.5	1.5 RT	12.1	14.6	41	31	28	9.1	115
CU-XL-PV-T02-RT2.5	2.5 RT	7.41	8.87	50	39	38	10	148
CU-XL-PV-T01-RT4	4 RT	4.61	5.54	68	49	52	11	194
CU-XL-PV-T01-RT6	6 RT	3.08	3.69	86	64	67	12.2	255
CU-XL-PV-T02-RT10	10 RT	1.83	2.19	112	85	89	13.4	345
CU-XL-PV-T02-RT16	16 RT	1.15	1.39	144	102	118	15.4	500
CU-XL-PV-T02-RT25	25 RT	0.727	0.9272	188	133	154	18.9	675
CU-XL-PV-T02-RT35	35 RT	0.524	0.6685	227	162	189	21.1	880
CU-XL-PV-T02-ST50	50 ST	0.387	0.4938	276	193	230	20.9	1045
CU-XL-PV-T02-ST70	70 ST	0.268	0.3423	337	236	286	22.9	1460
CU-XL-PV-T02-ST95	95 ST	0.193	0.2469	405	288	357	26.6	2000
CU-XL-PV-T02-ST120	120 ST	0.153	0.1961	463	336	419	30.1	2485
CU-XL-PV-T02-ST150	150 ST	0.124	0.1593	519	378	478	32.9	3070
CU-XL-PV-T02-ST185	185 ST	0.0991	0.1279	590	438	560	37.5	3815
CU-XL-PV-T02-ST240	240 ST	0.0754	0.0982	682	513	663	41.6	4955
CU-XL-PV-T02-ST300	300 ST	0.0601	0.0792	767	582	757	45	6150
CU-XL-PV-T02-ST400	400 ST	0.047	0.0632	872	673	884	50.7	7895
3 core cables - Cu/XLPE/PVC								
CU-XL-PV-T03-RT1.5	1.5 RT	12.1	14.6	31	25	23	9.5	130
CU-XL-PV-T03-RT2.5	2.5 RT	7.41	8.87	42	33	34	10.6	175
CU-XL-PV-T03-RT4	4 RT	4.61	5.54	54	39	44	11.6	233
CU-XL-PV-T03-RT6	6 RT	3.08	3.69	68	49	53	12.9	310
CU-XL-PV-T03-RT10	10 RT	1.83	2.19	89	65	72	14.2	430
CU-XL-PV-T03-RT16	16 RT	1.15	1.39	116	82	95	16.4	625
CU-XL-PV-T03-RT25	25 RT	0.727	0.9273	153	110	126	20.1	895
CU-XL-PV-T03-RT35	35 RT	0.524	0.6686	184	132	156	22.5	1180
CU-XL-PV-T03-ST50	50 ST	0.387	0.494	220	157	186	22.6	1490
CU-XL-PV-T03-ST70	70 ST	0.268	0.3425	270	195	236	26.1	2135
CU-XL-PV-T03-ST95	95 ST	0.193	0.2471	324	236	290	29.4	2895
CU-XL-PV-T03-ST120	120 ST	0.153	0.1964	368	272	337	32.8	3605
CU-XL-PV-T03-ST150	150 ST	0.124	0.1593	519	378	478	32.9	3070
CU-XL-PV-T03-ST185	185 ST	0.0991	0.1284	464	351	441	39.9	5555
CU-XL-PV-T03-ST240	240 ST	0.0754	0.0988	537	414	524	45	7250
CU-XL-PV-T03-ST300	300 ST	0.0601	0.0799	605	471	602	49.9	9050
CU-XL-PV-T03-ST400	400 ST	0.047	0.0641	688	547	701	57.3	11675

RT: Round, Stranded
ST: Sector, Stranded

0.6/1 (1.2) KV Multi Core Unarmoured Cables

Multicore Cables, with Stranded, Copper

Conductors, XLPE Insulated and PVC

Sheathed



Description

Multicore cables of stranded Copper conductors are insulated with XLPE compound, assembled together and covered with an overall jacket of PVC compound.

Cables are produced according to IEC 60502.

Application

For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, in industrial plants, as well as in Thermopower and Hydropower Stations.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

4 core cables - Cu/XLPE/PVC

CU-XL-PV-T04-RT1.5	1.5 RT	12.1	14.6	32	26	24	10.3	155
CU-XL-PV-T04-RT2.5	2.5 RT	7.41	8.87	43	33	35	11.4	210
CU-XL-PV-T04-RT4	4 RT	4.61	5.54	55	40	45	12.6	280
CU-XL-PV-T04-RT6	6 RT	3.08	3.69	70	50	55	14	385
CU-XL-PV-T04-RT10	10 RT	1.83	2.19	92	67	75	15.5	535
CU-XL-PV-T04-RT16	16 RT	1.15	1.39	118	84	98	17.9	790
CU-XL-PV-T04-RT25	25 RT	0.727	0.9273	155	112	131	22.1	1170
CU-XL-PV-T04-RT35	35 RT	0.524	0.6686	186	136	161	24.8	1545
CU-XL-PV-T04-ST50	50 ST	0.387	0.494	225	162	197	26.3	1970
CU-XL-PV-T04-ST70	70 ST	0.268	0.3425	276	204	249	30.4	2825
CU-XL-PV-T04-ST95	95 ST	0.193	0.2471	330	243	303	33.1	3825
CU-XL-PV-T04-ST120	120 ST	0.153	0.1964	374	282	352	37.2	4785
CU-XL-PV-T04-ST150	150 ST	0.124	0.1597	421	321	405	41.7	5875
CU-XL-PV-T04-ST185	185 ST	0.0991	0.1284	475	369	467	46.7	7395
CU-XL-PV-T04-ST240	240 ST	0.0754	0.0988	551	431	554	52.5	9620
CU-XL-PV-T04-ST300	300 ST	0.0601	0.0799	621	493	636	58.1	11995
CU-XL-PV-T04-ST400	400 ST	0.047	0.0641	706	571	741	66.7	15480

4 core cables (reduced)

CU-XL-PV-T04-R46	25 RT/16 RT	0.727/1.15	0.9273/1.4666	154	111	129	21.2	1075
CU-XL-PV-T04-R47	35 RT/16 RT	0.524/1.15	0.6686/1.4666	185	133	157	23.2	1365
CU-XL-PV-T04-R48	50 ST/25 RT	0.387/0.727	0.494/0.9273	226	163	198	26.1	1755
CU-XL-PV-T04-R49	70 ST/35 RT	0.268/0.524	0.3425/0.6686	277	204	250	30.2	2495
CU-XL-PV-T04-R50	95 ST/50 ST	0.193/0.387	0.2471/0.494	329	243	301	32.6	3380
CU-XL-PV-T04-R51	120 ST/70 ST	0.153/0.268	0.1964/0.3425	372	278	347	35.5	4290
CU-XL-PV-T04-R52	150 ST/70 ST	0.124/0.268	0.1597/0.3425	418	315	397	39.3	5115
CU-XL-PV-T04-R53	185 ST/95 ST	0.0991/0.193	0.1284/ 0.2471	472	363	458	44.2	6505
CU-XL-PV-T04-R54	240 ST/120 ST	0.075/0.153	0.0988/0.1964	546	424	543	49.7	8415
CU-XL-PV-T04-R56	300 ST/150 ST	0.0601/0.124	0.0799/0.1597	615	485	624	55	10480

RT:Round,Stranded

ST:Sector, Stranded

0.6/1 (1.2) KV Multi Core Unarmoured Cables

Multicore Cables, with Stranded,
Aluminum Conductors, XLPE Insulated
and PVC Sheathed



Description

- Multicore cables of stranded Copper conductors are insulated with XLPE compound, assembled together and covered with an overall jacket of PVC compound.
- Cables are produced according to IEC 60502.

Application

- For outdoor and indoor installations in damp and wet locations. They are normally used for power distribution in urban networks, in industrial plants, as well as in Thermopower and Hydropower Stations.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		
2 core cables - AL/XLPE/PVC								
AL-XL-PV-T02-RT16	16 RM	1.91	2.4489	113	79	89	15.9	270
AL-XL-PV-T02-RT25	25 RM	1.2	1.5387	146	103	119	18.9	375
AL-XL-PV-T02-RT35	35 RM	0.868	1.1131	176	126	147	21.1	470
AL-XL-PV-T02-RT50	50 RM	0.641	0.8221	209	151	179	24.1	585
AL-XL-PV-T02-RT70	70 RM	0.443	0.5684	257	188	227	27.7	765
AL-XL-PV-T02-RT95	95 RM	0.32	0.4109	307	227	278	31.1	985
AL-XL-PV-T02-RT120	120 RM	0.253	0.3251	350	262	324	34.5	1230
AL-XL-PV-T02-RT150	150 RM	0.206	0.2651	392	297	370	38.3	1520
AL-XL-PV-T02-RT185	185 RM	0.164	0.2114	444	340	428	42.7	1865
AL-XL-PV-T02-RT240	240 RM	0.125	0.1618	516	402	509	48.1	2380
AL-XL-PV-T02-RT300	300 RM	0.1	0.1302	585	462	589	53.7	2975
AL-XL-PV-T02-RT400	400 RM	0.0778	0.1023	670	536	688	60.3	3785
3 core cables - AL/XLPE/PVC								
AL-XL-PV-T03-RT16	16 RM	1.91	2.4489	92	65	73	16.9	320
AL-XL-PV-T03-RT25	25 RM	1.2	1.5387	118	86	98	20.1	450
AL-XL-PV-T03-RT35	35 RM	0.868	1.1131	142	103	121	22.5	565
AL-XL-PV-T03-ST50	50 SM	0.641	0.8221	171	121	145	22.6	650
AL-XL-PV-T03-ST70	70 SM	0.443	0.5684	209	151	183	26.1	890
AL-XL-PV-T03-ST95	95 SM	0.32	0.4109	251	183	225	29.4	1150
AL-XL-PV-T03-ST120	120 SM	0.253	0.3252	286	211	262	32.8	1415
AL-XL-PV-T03-ST150	150 SM	0.206	0.2651	319	239	297	35.9	1765
AL-XL-PV-T03-ST185	185 SM	0.164	0.2115	361	274	344	39.9	2150
AL-XL-PV-T03-ST240	240 SM	0.125	0.1619	420	323	409	45	2795
AL-XL-PV-T03-ST300	300 SM	0.1	0.1302	474	369	471	49.9	3415
AL-XL-PV-T03-ST400	400 SM	0.0778	0.1023	544	433	555	57.3	4535

RT:Round, Stranded

ST: Sector, Stranded

0.6/1 (1.2) KV Multi Core Unarmoured Cables

Multicore Cables, with Stranded,
Aluminum Conductors, XLPE Insulated
and PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		
4 core cables - AL/XLPE/PVC								
AL-XL-PV-T04-RT16	16 RT	1.91	2.4489	93	66	76	18.5	395
AL-XL-PV-T04-RT25	25 RT	1.2	1.5387	120	87	101	22.1	575
AL-XL-PV-T04-RT35	35 RT	0.868	1.1131	144	105	125	24.8	730
AL-XL-PV-T04-ST50	50 ST	0.641	0.8221	175	126	153	26.3	850
AL-XL-PV-T04-ST70	70 ST	0.443	0.5684	215	158	194	30.4	1160
AL-XL-PV-T04-ST95	95 ST	0.32	0.4109	256	189	235	33.1	1500
AL-XL-PV-T04-ST120	120 ST	0.253	0.3252	291	219	274	37.2	1860
AL-XL-PV-T04-ST150	150 ST	0.206	0.2651	327	249	314	41.7	2315
AL-XL-PV-T04-ST185	185 ST	0.164	0.2115	370	287	364	46.7	2850
AL-XL-PV-T04-ST240	240 ST	0.125	0.1619	430	337	432	52.5	3670
AL-XL-PV-T04-ST300	300 ST	0.1	0.1302	486	386	498	58.1	4500
AL-XL-PV-T04-ST400	400 ST	0.0778	0.1023	558	452	586	66.7	5960
AL-XL-PV-T04-ST500	500 ST	0.0605	0.0809	638	522	681	74.2	7485
4 core cables (reduced)- AL/XLPE/PVC								
AL-XL-PV-T04-R25	25 RT/16 RT	1.2/1.91	1.5387/2.4489	119	86	100	21.2	530
AL-XL-PV-T04-R35	35 RT/16 RT	0.86 /1.91	1.1131/2.4489	143	103	122	23.2	655
AL-XL-PV-T04-R50	50 ST/25 RT	0.641/1.2	0.8221/1.5387	175	126	153	26.1	765
AL-XL-PV-T04-R70	70 ST/35 RT	0.443/0.868	0.5684/1.1131	215	158	194	30.2	1040
AL-XL-PV-T04-R95	95 ST/50 ST	0.32 0.641	0.4109/0.8221	255	188	233	32.6	1350
AL-XL-PV-T04-R120	120 ST/70 ST	0.253/0.443	0.3252/0.5684	289	216	270	35.5	1675
AL-XL-PV-T04-R150	150 ST/70 ST	0.206/0.443	0.2651/0.5684	324	245	308	39.3	2030
AL-XL-PV-T04-R185	185 ST/95 ST	0.164/0.32	0.2115/0.4109	367	283	357	44.2	2515
AL-XL-PV-T04-R240	240 ST/120 ST	0.125/0.253	0.1619/0.3252	427	332	424	49.7	3230
AL-XL-PV-T04-R300	300 ST/150 ST	0.1/0.206	0.1302/0.2651	482	380	489	55	3980
AL-XL-PV-T04-R400	400 ST/185 ST	0.0778/0.164	0.1023/0.2115	554	443	575	62.7	5185
AL-XL-PV-T04-R500	500 ST/240 ST	0.0605/0.125	0.0809/0.1619	632	515	668	70.1	6580

RT:Round, Stranded

ST: Sector, Stranded

0.6/1 (1.2) KV Multi Core STA Cables

Multicore Cables, with Stranded,
Aluminum Conductors, XLPE Insulated
and PVC Sheathed



Description

- Multicore cables of stranded Copper conductors are insulated with XLPE compound, assembled together, armoured with steel tape and covered with an overall jacket of PVC compound.
- Cables are produced according to IEC 60502.

Application

- For outdoor installations in damp wet locations where mechanical damages are expected to occur.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

2 core cables - CU/XLPE/STA/PVC

CU-XL-EP-PV-T02-RT6	6 RT	3.08	3.69	84	64	68	15	405
CU-XL-EP-PV-T02-RT10	10 RT	1.83	2.19	110	85	90	16.2	510
CU-XL-EP-PV-T02-RT16	16 RT	1.15	1.39	142	103	118	18.2	680
CU-XL-EP-PV-T02-RT25	25 RT	0.727	0.9272	185	135	155	21.1	865
CU-XL-EP-PV-T02-RT35	35 RT	0.524	0.6685	224	162	191	23.3	1090
CU-XL-EP-PV-T02-ST50	50 ST	0.387	0.4938	272	193	231	22.9	1235
CU-XL-EP-PV-T02-ST70	70 ST	0.268	0.3423	330	237	286	25.1	1675
CU-XL-EP-PV-T02-ST95	95 ST	0.193	0.2469	397	289	355	29	2265
CU-XL-EP-PV-T02-ST120	120 ST	0.153	0.1961	457	339	422	33.7	3085
CU-XL-EP-PV-T02-ST150	150 ST	0.124	0.1593	512	381	480	36.5	3695
CU-XL-EP-PV-T02-ST185	185 ST	0.0991	0.1279	580	440	559	41.5	4595
CU-XL-EP-PV-T02-ST240	240 ST	0.0754	0.0982	670	513	658	45.6	5805
CU-XL-EP-PV-T02-ST300	300 ST	0.0601	0.0792	751	580	749	49	7070
CU-XL-EP-PV-T02-ST400	400 ST	0.047	0.0632	853	669	871	54.7	8925

3 core cables - CU/XLPE/STA/PVC

CU-XL-EP-PV-T03-RT6	6 RT	3.08	3.69	67	49	53	15.8	475
CU-XL-EP-PV-T03-RT10	10 RT	1.83	2.19	88	66	73	17.1	605
CU-XL-EP-PV-T03-RT16	16 RT	1.15	1.39	114	82	95	19.3	830
CU-XL-EP-PV-T03-RT25	25 RT	0.727	0.9273	151	110	128	22.3	1120
CU-XL-EP-PV-T03-RT35	35 RT	0.524	0.6686	182	134	157	24.7	1435
CU-XL-EP-PV-T03-ST50	50 ST	0.387	0.494	230	164	199	24.6	1700
CU-XL-EP-PV-T03-ST70	70 ST	0.268	0.3425	281	203	251	28.5	2390
CU-XL-EP-PV-T03-ST95	95 ST	0.193	0.2471	337	246	309	32	3205
CU-XL-EP-PV-T03-ST120	120 ST	0.153	0.1964	387	285	366	6.6	4280
CU-XL-EP-PV-T03-ST150	150 ST	0.124	0.1597	432	322	415	39.9	5195
CU-XL-EP-PV-T03-ST185	185 ST	0.0991	0.1284	488	371	480	43.9	6385
CU-XL-EP-PV-T03-ST240	240 ST	0.0754	0.0988	566	434	570	49.2	8195
CU-XL-EP-PV-T03-ST300	300 ST	0.0601	0.0799	639	496	658	53.9	10075
CU-XL-EP-PV-T03-ST400	400 ST	0.047	0.0641	728	573	772	61.1	12810
CU-XL-EP-PV-T03-ST500	500 ST	0.0366	0.0518	820	654	889	67.8	16245

RT:Round, Stranded

ST: Sector, Stranded

0.6/1 (1.2) KV Multi Core STA Cables

Multicore Cables, with Stranded Copper
Conductors, XLPE Insulated, Steel Tape
Armoured and PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

4 core cables - Cu/XLPE/PVC

CU-XL-EP-PV-T04-RT6	6 RT	3.08	3.69	67	50	55	17	555
CU-XL-EP-PV-T04-RT10	10 RT	1.83	2.19	89	67	75	18.4	725
CU-XL-EP-PV-T04-RT16	16 RT	1.15	1.39	116	84	98	20.8	1005
CU-XL-EP-PV-T04-RT25	25 RT	0.727	0.9273	153	113	131	24.3	1390
CU-XL-EP-PV-T04-RT35	35 RT	0.524	0.6686	184	137	162	27	1795
CU-XL-EP-PV-T04-ST50	50 ST	0.387	0.494	237	170	211	28.3	2210
CU-XL-EP-PV-T04-ST70	70 ST	0.268	0.3425	290	211	267	32.8	3125
CU-XL-EP-PV-T04-ST95	95 ST	0.193	0.2471	347	258	329	36.9	4510
CU-XL-EP-PV-T04-ST120	120 ST	0.153	0.1964	395	296	384	41.2	5575
CU-XL-EP-PV-T04-ST150	150 ST	0.124	0.1597	445	337	443	45.7	6755
CU-XL-EP-PV-T04-ST185	185 ST	0.0991	0.1284	504	388	513	50.7	8365
CU-XL-EP-PV-T04-ST240	240 ST	0.0754	0.0988	584	453	610	56.5	10700
CU-XL-EP-PV-T04-ST300	300 ST	0.0601	0.0799	659	518	704	62.1	13190
CU-XL-EP-PV-T04-ST400	400 ST	0.047	0.0641	750	601	825	70.9	16885

4 core cables (reduced)- Cu/XLPE/PVC

CU-XL-EP-PV-T04-R70	25 RT/16 RT	0.727/1.15	0.9273/1.4666	152	112	130	23.4	1285
CU-XL-EP-PV-T04-R71	35 RT/16 RT	0.524/1.15	0.6686/1.4666	182	135	158	25.4	1595
CU-XL-EP-PV-T04-R72	50 ST/25 RT	0.387/0.727	0.494/0.9273	223	164	198	28.3	2035
CU-XL-EP-PV-T04-R73	70 ST/35 RT	0.268/0.524	0.3425/0.6686	272	203	249	33	2865
CU-XL-EP-PV-T04-R74	95 ST/50 ST	0.193/0.387	0.2471/0.494	347	255	328	36.2	4035
CU-XL-EP-PV-T04-R75	120 ST/70 ST	0.153/0.268	0.1964/0.3425	394	292	378	39.1	5000
CU-XL-EP-PV-T04-R76	150 ST/70 ST	0.124/0.268	0.1597/0.3425	441	331	433	43.3	5945
CU-XL-EP-PV-T04-R77	185 ST/95 ST	0.0991/0.193	0.1284/0.2471	499	381	502	48.2	7425
CU-XL-EP-PV-T04-R78	240 ST/120 ST	0.0754/0.153	0.0988/0.1964	578	449	597	53.7	9440
CU-XL-EP-PV-T04-R79	300 ST/150 ST	0.0601/0.124	0.0799/0.1597	653	510	689	58.8	11580
CU-XL-EP-PV-T04-R80	400 ST/185 ST	0.047/0.0991	0.0641/0.1284	743	592	806	66.7	14745
CU-XL-EP-PV-T04-R81	500 ST/240 ST	0.0366/0.0754	0.0518/0.0988	838	675	930	74.1	18735

RT:Round, Stranded

ST: Sector, Stranded

0.6/1 (1.2) KV Multi Core STA Cables

Multicore Cables, with Stranded
Aluminium Conductors, XLPE Insulated,
Steel Tape Armoured and PVC Sheathed



Description

- Multicore cables of stranded Aluminium conductors are insulated with XLPE compound, assembled together, armoured with steel tape and covered with an overall jacket of PVC compound.
- Cables are produced according to IEC 60502.

Application

- For outdoor installations in damp wet locations where mechanical damages are expected to occur.

Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

2 core cables - AL/XLPE/STA/PVC

AL-XL-EP-PV-T02-RT16	16 RT	1.91	2.4489	111	80	90	18.1	430
AL-XL-EP-PV-T02-RT25	25 RT	1.2	1.5387	144	105	120	21.1	565
AL-XL-EP-PV-T02-RT35	35 RT	0.868	1.1131	173	126	148	23.3	680
AL-XL-EP-PV-T02-RT50	50 RT	0.641	0.8221	206	151	180	26.3	830
AL-XL-EP-PV-T02-RT70	70 RT	0.443	0.5684	254	189	227	30.1	1060
AL-XL-EP-PV-T02-RT95	95 RT	0.32	0.4109	303	229	278	33.7	1330
AL-XL-EP-PV-T02-RT120	120 RT	0.253	0.3251	347	265	326	38.3	1955
AL-XL-EP-PV-T02-RT150	150 RT	0.206	0.2651	388	299	371	42.1	2325
AL-XL-EP-PV-T02-RT185	185 RT	0.164	0.2114	439	344	428	46.9	2810
AL-XL-EP-PV-T02-RT240	240 RT	0.125	0.1618	510	403	507	52.3	3440
AL-XL-EP-PV-T02-RT300	300 RT	0.1	0.1302	577	462	585	57.9	4155
AL-XL-EP-PV-T02-RT400	400 RT	0.0778	0.1023	660	535	681	64.5	5100

3 core cables - AL/XLPE/STA/PVC

AL-XL-EP-PV-T03-RT16	16 RT	1.91	2.4489	91	65	74	19.1	500
AL-XL-EP-PV-T03-RT25	25 RT	1.2	1.5387	117	86	99	22.3	675
AL-XL-EP-PV-T03-RT35	35 RT	0.868	1.1131	141	104	121	24.7	820
AL-XL-EP-PV-T03-ST50	50 ST	0.641	0.8221	178	127	154	24.6	855
AL-XL-EP-PV-T03-ST70	70 ST	0.443	0.5684	218	158	195	28.5	1145
AL-XL-EP-PV-T03-ST95	95 ST	0.32	0.4109	262	191	240	32	1460
AL-XL-EP-PV-T03-ST120	120 ST	0.253	0.3252	301	222	285	36.6	2090
AL-XL-EP-PV-T03-ST150	150 ST	0.206	0.2651	335	251	323	39.9	2525
AL-XL-EP-PV-T03-ST185	185 ST	0.164	0.2115	381	289	375	43.9	2980
AL-XL-EP-PV-T03-ST240	240 ST	0.125	0.1619	443	340	447	49.2	3745
AL-XL-EP-PV-T03-ST300	300 ST	0.1	0.1302	502	390	517	53.9	4440
AL-XL-EP-PV-T03-ST400	400 ST	0.0778	0.1023	578	455	613	61.1	5670

RT:Round, Stranded

ST:'Sector, Stranded

0.6/1 (1.2) KV Multi Core STA Cables

Multicore Cables, with Stranded
Aluminium Conductors, XLPE Insulated,
Steel Tape Armoured and PVC Sheathed



Product Code	Nominal Cross sectional area	Maximum Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 90 °C	Laid in ground	Laid in duct	Laid in free air (Shaded)		
		mm ²	Ω/km	Ω/km	A	A		

4 core Cables - AL/XLPE/STA/PVC

AL-XL-EP-PV-T04-RT16	16 RT	1.91	2.4489	92	67	77	20.7	580
AL-XL-EP-PV-T04-RT25	25 RT	1.2	1.5387	119	88	102	24.3	795
AL-XL-EP-PV-T04-RT35	35 RT	0.868	1.1131	143	106	125	27	975
AL-XL-EP-PV-T04-ST50	50 ST	0.641	0.8221	184	132	164	28.3	1090
AL-XL-EP-PV-T04-ST70	70 ST	0.443	0.5684	225	164	208	32.8	1465
AL-XL-EP-PV-T03-ST95	95 ST	0.32	0.4109	269	200	255	36.9	2180
AL-XL-EP-PV-T03-ST120	120 ST	0.253	0.3252	307	231	298	41.2	2650
AL-XL-EP-PV-T03-ST150	150 ST	0.206	0.2651	346	262	344	45.7	3195
AL-XL-EP-PV-T03-ST185	185 ST	0.164	0.2115	393	302	400	50.7	3820
AL-XL-EP-PV-T03-ST240	240 ST	0.125	0.1619	457	355	478	56.5	4755
AL-XL-EP-PV-T03-ST300	300 ST	0.1	0.1302	518	407	553	62.1	5695
AL-XL-EP-PV-T03-ST400	400 ST	0.0778	0.1023	596	477	654	70.9	7365

4 core cables(reduced) - AL/XLPE/STA/PVC

AL-XL-EP-PV-T04-R82	25 RT/16 RT	1.2/1.91	1.5387/2.4489	118	87	101	23.4	745
AL-XL-EP-PV-T04-R83	35 RT/16 RT	0.868/1.91	1.1131/2.4489	141	104	123	25.4	885
AL-XL-EP-PV-T04-R84	50 ST/25 RT	0.641/1.2	0.8221/1.5387	173	127	154	28.3	1050
AL-XL-EP-PV-T04-R85	70 ST/35 RT	0.443/0.868	0.5684/1.1131	211	158	193	33	1410
AL-XL-EP-PV-T04-R86	95 ST/50 ST	0.32/0.641	0.4109/0.8221	269	198	254	36.2	2005
AL-XL-EP-PV-T04-R87	120 ST/70 ST	0.253/0.443	0.3252/0.5684	306	227	294	39.1	2390
AL-XL-EP-PV-T04-R88	150 ST/70 ST	0.206/0.443	0.2651/0.5684	342	257	336	43.3	2860
AL-XL-EP-PV-T04-R89	185 ST/95 ST	0.164 0.32	0.2115/0.4109	389	297	391	48.2	3435
AL-XL-EP-PV-T04-R90	240 ST/120 ST	0.125/0.253	0.1619/0.3252	453	351	467	53.7	4255
AL-XL-EP-PV-T04-R91	300 ST/150 ST	0.1/0.206	0.1302/0.2651	513	401	541	58.8	5085
AL-XL-EP-PV-T04-R92	400 ST/185 ST	0.0778/0.164	0.1023/0.2115	590	470	640	66.7	6470
AL-XL-EP-PV-T04-R93	500 ST/240 ST	0.0605/0.125	0.0809/0.1619	673	543	747	74.1	8010

RT:Round, Stranded

ST: Sector, Stranded