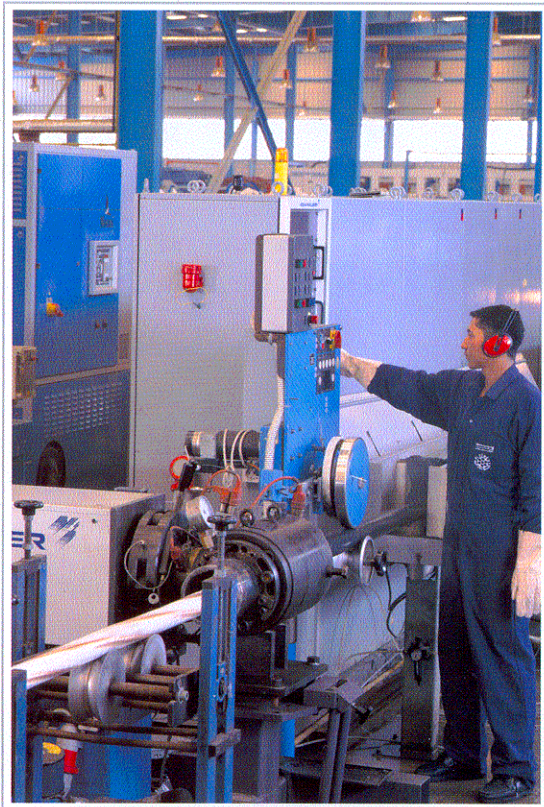


Medium Voltage Cables

Operating Voltage (From 6/10 kV up to 18/30 kV)

Cable Construction



1. Conductor:

Stranded, round and compacted Copper or Aluminium conductors, according to IEC 60228 - class 2.

2. Conductor Screen:

An extruded layer of semi conducting material applied over the conductor as voltage stress control layer.

3. Insulation:

An extruded layer of cross linked polyethylene (XLPE) is applied over the inner semi conductor with thickness as specified in IEC 60502.

4. Insulation screen:

An extruded layer of strippable or firmly bonded to the insulation, Conductor screen, XLPE insulation and insulation screen are applied at the same time using triple head extruder.

5. Metallic screen:

- Copper Tape : An annealed Copper tape is applied helically with a suitable overlap.
- Copper Wire : helically applied and binded with a Copper tape to achieve electrical contact

6. Assembly:

In case of three core cables, cores are assembled together with suitable lay length, non- hygroscopic filler is applied during assembly to fill spaces between cores then wrapped with polyester tape

7. Bedding:

in case of armoured cables an extruded layer of PVC is applied as bedding.

8. Armouring:

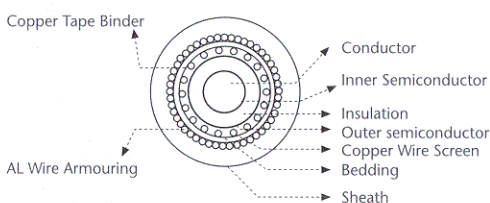
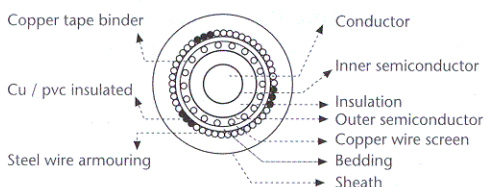
- Steel Tape : double layers of steel tapes are applied helically.
- Steel Wire : Galvanized steel wires are applied helically.

9. Sheath :

An extruded layer of PVC is applied with thickness as specified in IEC 60502.

Option:

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



Armouring of Single Core Cable

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

6/10 (12) kV

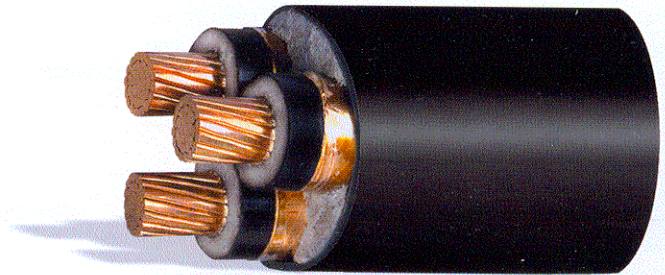
Single & Multicore Copper Conductors XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Copper conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air			
	mm ²	Ω/km	Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat	mm	kg/km

Single core cable

CX2-T101-U11	16	1.1500	1.4665	0.19	0.458	0.638	110	115	95	125	18.3	480
CX2-T101-U12	25	0.7270	0.9272	0.20	0.428	0.608	140	145	125	145	19.8	600
CX2-T101-U13	35	0.5240	0.6684	0.22	0.406	0.587	165	175	155	180	20.9	710
CX2-T101-U14	50	0.3870	0.4938	0.25	0.389	0.569	195	205	210	235	22.1	870
CX2-T101-U15	70	0.2680	0.3423	0.28	0.369	0.549	240	250	265	295	24.0	1080
CX2-T101-U16	95	0.1930	0.2469	0.31	0.352	0.532	285	295	320	360	25.6	1370
CX2-T101-U17	120	0.1530	0.1962	0.34	0.340	0.520	325	335	370	410	27.1	1640
CX2-T101-U18	150	0.1240	0.1596	0.37	0.330	0.510	360	365	420	460	29.0	1940
CX2-T101-U19	185	0.0991	0.1282	0.40	0.320	0.500	405	410	480	524	31.0	2350
CX2-T101-U20	240	0.0754	0.0987	0.45	0.310	0.490	465	465	565	610	33.6	2960
CX2-T101-U30	300	0.0601	0.0800	0.49	0.301	0.481	525	515	645	690	36.0	3600
CX2-T101-U40	400	0.0470	0.0619	0.54	0.292	0.472	580	550	730	760	40.0	4650
CX2-T101-U50	500	0.0366	0.0491	0.60	0.284	0.464	650	605	835	860	43.0	5690
CX2-T101-U60	630	0.0283	0.0360	0.71	0.273	0.453	790	710	940	970	48.0	6960

Three core cables

CX2-T103-U11	16	1.1500	1.4665	0.19	0.421	-	105	-	100	-	36.3	1560
CX2-T103-U12	25	0.7270	0.9272	0.20	0.393	-	130	-	130	-	39.2	1960
CX2-T103-U13	35	0.5240	0.6684	0.22	0.373	-	155	-	160	-	42.0	2350
CX2-T103-U14	50	0.3870	0.4938	0.25	0.356	-	180	-	190	-	45.5	2950
CX2-T103-U15	70	0.2680	0.3423	0.28	0.338	-	220	-	230	-	49.1	3720
CX2-T103-U16	95	0.1930	0.2469	0.31	0.322	-	265	-	280	-	53.5	4640
CX2-T103-U17	120	0.1530	0.1962	0.34	0.311	-	300	-	325	-	57.3	5530
CX2-T103-U18	150	0.1240	0.1596	0.37	0.302	-	335	-	360	-	60.7	6600
CX2-T103-U19	185	0.0991	0.1282	0.40	0.293	-	380	-	410	-	64.9	7840
CX2-T103-U20	240	0.0754	0.0987	0.45	0.284	-	425	-	485	-	71.1	9790
CX2-T103-U30	300	0.0601	0.0800	0.49	0.275	-	490	-	550	-	76.5	11850

Notes :

This data is applicable for 6.35 / 11 kV cables

The above data is approximate and subjected to manufacturing tolerance.

Delivery length tolerance is ± 5%



EGYTECH
CABLES

6/10 (12) kV

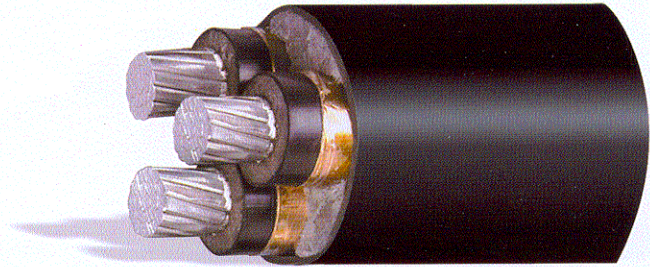
Single & Multicore Aluminium Conductors, XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air			
	mm ²	Ω/km	Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat		
							A	A	A	A		

Single core cable

AX2-T101-U11	16	1.9100	2.4500	0.19	0.458	0.638	80	90	70	85	18.3	380
AX2-T101-U12	25	1.2000	1.5400	0.20	0.428	0.608	110	120	100	115	19.8	440
AX2-T101-U13	35	0.8680	1.1130	0.22	0.406	0.587	135	140	120	135	20.9	500
AX2-T101-U14	50	0.6410	0.8220	0.25	0.389	0.569	150	160	160	180	22.1	550
AX2-T101-U15	70	0.4430	0.5690	0.28	0.369	0.549	185	190	205	230	24.0	640
AX2-T101-U16	95	0.3200	0.4110	0.31	0.352	0.532	220	230	245	275	25.6	760
AX2-T101-U17	120	0.2530	0.3250	0.34	0.340	0.520	250	260	285	315	27.1	870
AX2-T101-U18	150	0.2060	0.2660	0.37	0.330	0.510	275	280	325	355	29.0	990
AX2-T101-U19	185	0.1640	0.2120	0.40	0.320	0.500	310	315	370	405	31.0	1160
AX2-T101-U20	240	0.1250	0.1630	0.45	0.310	0.490	360	360	435	470	33.6	1400
AX2-T101-U30	300	0.1000	0.1310	0.49	0.301	0.481	395	405	495	530	36.0	1640
AX2-T101-U40	400	0.0778	0.1000	0.54	0.292	0.472	445	455	560	585	40.0	2030
AX2-T101-U50	500	0.0605	0.0800	0.60	0.284	0.464	465	495	640	660	43.0	2420
AX2-T101-U60	630	0.0469	0.0611	0.71	0.273	0.453	520	550	715	740	48.0	3060

Three core cables

AX2-T103-U11	16	1.9100	2.4500	0.19	0.421	-	80	-	70	-	36.3	1250
AX2-T103-U12	25	1.2000	1.5400	0.20	0.393	-	110	-	100	-	39.2	1470
AX2-T103-U13	35	0.8680	1.1130	0.22	0.373	-	120	-	125	-	42.0	1670
AX2-T103-U14	50	0.6410	0.8220	0.25	0.356	-	140	-	145	-	45.5	1980
AX2-T103-U15	70	0.4430	0.5690	0.28	0.338	-	170	-	175	-	49.1	2370
AX2-T103-U16	95	0.3200	0.4110	0.31	0.322	-	205	-	215	-	53.5	2790
AX2-T103-U17	120	0.2530	0.3250	0.34	0.311	-	230	-	250	-	57.3	3220
AX2-T103-U18	150	0.2060	0.2660	0.37	0.302	-	260	-	280	-	60.7	3700
AX2-T103-U19	185	0.1640	0.2120	0.40	0.293	-	290	-	315	-	64.9	4250
AX2-T103-U20	240	0.1250	0.1630	0.45	0.284	-	335	-	375	-	71.1	5120
AX2-T103-U30	300	0.1000	0.1310	0.49	0.275	-	375	-	425	-	76.5	6000

Notes :

This data is applicable for 6.35 / 11 kV cables
 The above data is approximate and subjected to manufacturing tolerance.
 Delivery length tolerance is ± 5%

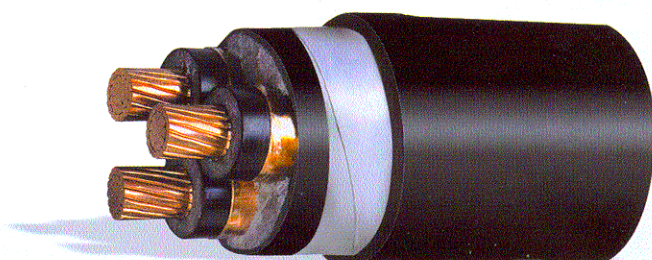
6/10 (12) kV

Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Tape Armoured and PVC Sheathed

Description

• Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel tape armoured and PVC sheathed.

• Cables are produced according to IEC 60502.



Application

• These cables are generally suitable for direct burial or for installation on trays or ducts.

Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Max. conductor resistance		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid direct in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX2-T103-A11	16	1.1500	1.4665	0.19	0.421	100	105	41.2	2460
CX2-T103-A12	25	0.7270	0.9272	0.20	0.393	130	130	44.2	2950
CX2-T103-A13	35	0.5240	0.6684	0.22	0.373	155	165	47.0	3430
CX2-T103-A14	50	0.3870	0.4938	0.25	0.356	180	190	50.9	4140
CX2-T103-A15	70	0.2680	0.3423	0.28	0.338	220	235	54.5	5000
CX2-T103-A16	95	0.1930	0.2469	0.31	0.332	265	285	58.9	6150
CX2-T103-A17	120	0.1530	0.1962	0.34	0.311	300	325	63.0	7140
CX2-T103-A18	150	0.1240	0.1596	0.37	0.302	335	365	66.5	8280
CX2-T103-A19	185	0.0991	0.1282	0.40	0.293	375	415	70.9	9790
CX2-T103-A20	240	0.0754	0.0987	0.45	0.284	435	485	77.3	11970
CX2-T103-A30	300	0.0601	0.0800	0.49	0.275	485	545	82.0	14260

Three cores, Aluminium conductor cables

AX2-T103-A11	16	1.9100	2.4500	0.19	0.421	70	75	41.2	2150
AX2-T103-A12	25	1.2000	1.5400	0.20	0.393	100	95	44.2	2460
AX2-T103-A13	35	0.8680	1.1130	0.22	0.373	120	130	47.0	2760
AX2-T103-A14	50	0.6410	0.8220	0.25	0.356	140	145	50.9	3180
AX2-T103-A15	70	0.4430	0.5690	0.28	0.338	170	180	54.5	3680
AX2-T103-A16	95	0.3200	0.4110	0.31	0.332	205	220	58.9	4310
AX2-T103-A17	120	0.2530	0.3250	0.34	0.311	230	250	63.0	4830
AX2-T103-A18	150	0.2060	0.2660	0.37	0.302	260	280	66.5	5440
AX2-T103-A19	185	0.1640	0.2120	0.40	0.293	290	320	70.9	6220
AX2-T103-A20	240	0.1250	0.1630	0.45	0.284	335	375	77.3	7280
AX2-T103-A30	300	0.1000	0.1310	0.49	0.275	375	420	82.0	8380

Notes :

This data is applicable for 6.35 / 11 kV cables

The above data is approximate and subjected to manufacturing tolerance.

Delivery length tolerance is ± 5%



6/10 (12) kV

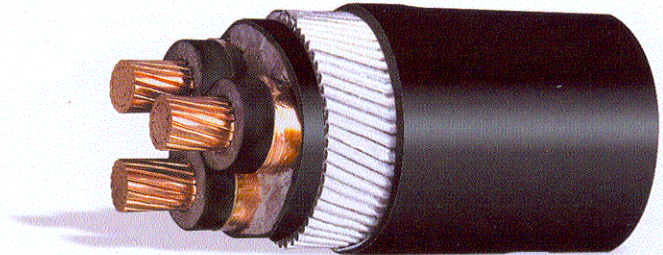
Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Wire Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel wire armoured and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Max. conductor resistance		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX2-T103-W11	16	1.1500	1.4665	0.19	0.421	101	106	47	3920
CX2-T103-W12	25	0.7270	0.9272	0.20	0.393	131	142	50	5440
CX2-T103-W13	35	0.5240	0.6684	0.22	0.373	157	168	52	5050
CX2-T103-W14	50	0.3870	0.4938	0.25	0.356	182	192	55	5740
CX2-T103-W15	70	0.2680	0.3423	0.28	0.338	222	237	58	6690
CX2-T103-W16	95	0.1930	0.2469	0.31	0.332	268	288	63	7890
CX2-T103-W17	120	0.1530	0.1962	0.34	0.311	303	328	66	8970
CX2-T103-W18	150	0.1240	0.1596	0.37	0.302	338	369	70	10190
CX2-T103-W19	185	0.0991	0.1282	0.40	0.293	379	419	75	12460
CX2-T103-W20	240	0.0754	0.0987	0.45	0.284	439	490	81	14720
CX2-T103-W30	300	0.0601	0.0800	0.49	0.275	490	550	86	17080

Three cores, Aluminium conductor cables

AX2-T103-W11	16	1.9100	2.4500	0.19	0.421	71	76	47	3620
AX2-T103-W12	25	1.2000	1.5400	0.20	0.393	101	106	50	4080
AX2-T103-W13	35	0.8680	1.1130	0.22	0.373	121	132	52	4400
AX2-T103-W14	50	0.6410	0.8220	0.25	0.356	141	147	55	4810
AX2-T103-W15	70	0.4430	0.5690	0.28	0.338	172	182	58	5390
AX2-T103-W16	95	0.3200	0.4110	0.31	0.332	207	222	63	6120
AX2-T103-W17	120	0.2530	0.3250	0.34	0.311	232	252	66	6740
AX2-T103-W18	150	0.2060	0.2660	0.37	0.302	263	283	70	7400
AX2-T103-W19	185	0.1640	0.2120	0.40	0.293	293	323	75	9020
AX2-T103-W20	240	0.1250	0.1630	0.45	0.284	338	379	81	10260
AX2-T103-W30	300	0.1000	0.1310	0.49	0.275	379	424	86	11500

Notes :

This data is applicable for 6.35 / 11 kV cables

The above data is approximate and subjected to manufacturing tolerance.

Delivery length tolerance is ± 5%



8.7/15 (17.5) kV

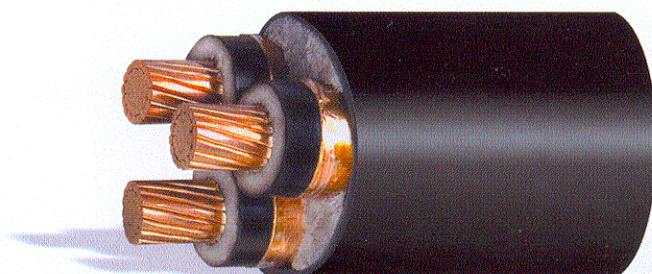
Single & Multicore Copper Conductors, XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Copper conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight			
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air						
	mm ²	Ω/km	Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat	A	A	A	A	mm

Single core cable

CX3-T101-U12	25	0.7270	0.9272	0.17	0.471	0.610	140	145	125	145	22.2	680
CX3-T101-U13	35	0.5240	0.6684	0.18	0.449	0.588	165	175	155	185	23.3	800
CX3-T101-U14	50	0.3870	0.4938	0.20	0.415	0.555	195	205	210	235	24.3	940
CX3-T101-U15	70	0.2680	0.3423	0.23	0.395	0.534	240	250	265	295	26.0	1160
CX3-T101-U16	95	0.1930	0.2469	0.25	0.374	0.513	285	295	320	360	28.0	1460
CX3-T101-U17	120	0.1530	0.1962	0.27	0.359	0.498	325	335	370	410	29.5	1740
CX3-T101-U18	150	0.1240	0.1596	0.30	0.347	0.486	360	365	420	460	32.0	2050
CX3-T101-U19	185	0.0991	0.1282	0.32	0.336	0.475	405	410	480	524	33.5	2450
CX3-T101-U20	240	0.0754	0.0987	0.36	0.321	0.483	465	465	565	610	36.0	3090
CX3-T101-U30	300	0.0601	0.0800	0.39	0.313	0.451	525	515	645	690	38.5	3740
CX3-T101-U40	400	0.0470	0.0619	0.43	0.303	0.442	580	550	730	760	42.5	4810
CX3-T101-U50	500	0.0366	0.0491	0.48	0.294	0.433	650	605	835	860	46.0	5870
CX3-T101-U60	630	0.0283	0.0360	0.55	0.285	0.423	790	710	940	970	51.0	7140

Three core cables

CX3-T103-U12	25	0.7270	0.9272	0.17	0.416	-	130	-	130	-	44.3	2260
CX3-T103-U13	35	0.5240	0.6684	0.18	0.395	-	155	-	155	-	47.0	2700
CX3-T103-U14	50	0.3870	0.4938	0.20	0.378	-	185	-	185	-	50.8	3310
CX3-T103-U15	70	0.2680	0.3423	0.23	0.357	-	225	-	230	-	54.2	4090
CX3-T103-U16	95	0.1930	0.2469	0.25	0.340	-	265	-	270	-	58.5	5060
CX3-T103-U17	120	0.1530	0.1962	0.27	0.328	-	300	-	320	-	62.4	6000
CX3-T103-U18	150	0.1240	0.1596	0.30	0.318	-	340	-	360	-	65.8	7060
CX3-T103-U19	185	0.0991	0.1282	0.32	0.308	-	380	-	410	-	70.0	8310
CX3-T103-U20	240	0.0754	0.0987	0.36	0.298	-	440	-	485	-	76.2	10340
CX3-T103-U30	300	0.0601	0.0800	0.39	0.289	-	490	-	550	-	81.6	12400

- The above data is approximate and subjected to manufacturing tolerance.
- Delivery length tolerance is ± 5%



8.7/15 (17.5) kV

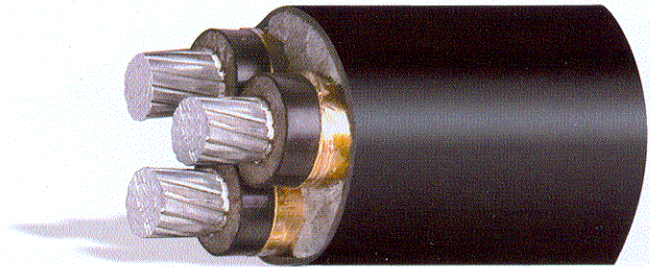
Single & Multicore Aluminium Conductors, XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight	
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air				
	mm ²	Ω/km	Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat	A	A	mm

Single core cable

AX3-T101-U12	25	1.2000	1.5400	0.17	0.471	0.610	115	125	115	120	22.2	530
AX3-T101-U13	35	0.8680	1.1130	0.18	0.449	0.588	135	140	125	140	23.3	590
AX3-T101-U14	50	0.6410	0.8220	0.20	0.415	0.555	150	160	160	180	24.3	620
AX3-T101-U15	70	0.4430	0.5690	0.23	0.395	0.534	185	190	205	230	26.0	720
AX3-T101-U16	95	0.3200	0.4110	0.25	0.374	0.513	220	230	245	275	28.0	850
AX3-T101-U17	120	0.2530	0.3250	0.27	0.359	0.498	250	260	285	315	29.5	970
AX3-T101-U18	150	0.2060	0.2660	0.30	0.347	0.486	275	280	325	355	32.0	1100
AX3-T101-U19	185	0.1640	0.2120	0.32	0.336	0.475	310	315	370	405	33.5	1270
AX3-T101-U20	240	0.1250	0.1630	0.36	0.321	0.483	360	360	435	470	36.0	1530
AX3-T101-U30	300	0.1000	0.1310	0.39	0.313	0.451	395	405	494	530	38.5	1780
AX3-T101-U40	400	0.0778	0.1000	0.43	0.303	0.442	445	455	560	585	42.5	2200
AX3-T101-U50	500	0.0605	0.0800	0.48	0.294	0.433	465	495	640	660	46.0	2600
AX3-T101-U60	630	0.0469	0.0611	0.55	0.285	0.423	520	550	715	740	51.0	3240

Three core cables

AX3-T103-U12	25	1.2000	1.5400	0.17	0.416	-	115	-	115	-	44.3	1790
AX3-T103-U13	35	0.8680	1.1130	0.18	0.395	-	135	-	135	-	47.0	2020
AX3-T103-U14	50	0.6410	0.8220	0.20	0.378	-	140	-	140	-	50.8	2340
AX3-T103-U15	70	0.4430	0.5690	0.23	0.357	-	175	-	180	-	54.2	2760
AX3-T103-U16	95	0.3200	0.4110	0.25	0.340	-	205	-	210	-	58.5	3220
AX3-T103-U17	120	0.2530	0.3250	0.27	0.328	-	240	-	255	-	62.4	3680
AX3-T103-U18	150	0.2060	0.2660	0.30	0.318	-	260	-	280	-	65.8	4160
AX3-T103-U19	185	0.1640	0.2120	0.32	0.308	-	290	-	320	-	70.0	4730
AX3-T103-U20	240	0.1250	0.1630	0.36	0.298	-	340	-	385	-	76.2	5670
AX3-T103-U30	300	0.1000	0.1310	0.39	0.289	-	385	-	430	-	81.6	6550

- The above data is approximate and subjected to manufacturing tolerance.
- Delivery length tolerance is ± 5%

8.7/15 (17.5) kV

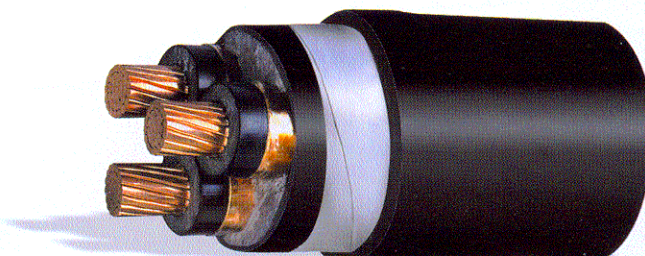
Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Tape Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel wire armoured and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Max. conductor resistance		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX3-T103-A12	25	0.7270	0.9272	0.17	0.416	130	135	49.5	3080
CX3-T103-A13	35	0.5240	0.6684	0.18	0.395	155	165	52.2	3550
CX3-T103-A14	50	0.3870	0.4938	0.20	0.378	185	195	56.1	4310
CX3-T103-A15	70	0.2680	0.3423	0.23	0.357	225	240	59.7	5190
CX3-T103-A16	95	0.1930	0.2469	0.25	0.340	270	290	64.2	6340
CX3-T103-A17	120	0.1530	0.1962	0.27	0.328	305	330	68.3	7380
CX3-T103-A18	150	0.1240	0.1596	0.30	0.318	339	370	71.8	8540
CX3-T103-A19	185	0.0991	0.1282	0.32	0.308	380	420	76.2	10030
CX3-T103-A20	240	0.0754	0.0987	0.36	0.298	440	485	83.8	12290
CX3-T103-A30	300	0.0601	0.0800	0.39	0.289	485	550	89.4	15640

Three cores, Aluminium conductor cables

AX3-T103-A12	25	1.2000	1.5400	0.17	0.416	100	105	49.5	2590
AX3-T103-A13	35	0.8680	1.1130	0.18	0.395	120	130	52.2	2880
AX3-T103-A14	50	0.6410	0.8220	0.20	0.378	145	150	56.1	3350
AX3-T103-A15	70	0.4430	0.5690	0.23	0.357	175	185	59.7	3870
AX3-T103-A16	95	0.3200	0.4110	0.25	0.340	210	225	64.2	4510
AX3-T103-A17	120	0.2530	0.3250	0.27	0.328	235	255	68.3	5060
AX3-T103-A18	150	0.2060	0.2660	0.30	0.318	265	285	71.8	5700
AX3-T103-A19	185	0.1640	0.2120	0.32	0.308	295	325	76.2	6460
AX3-T103-A20	240	0.1250	0.1630	0.36	0.298	340	380	83.8	7600
AX3-T103-A30	300	0.1000	0.1310	0.39	0.289	380	425	89.4	9760

- The above data is approximate and subjected to manufacturing tolerance.
- Delivery length tolerance is ± 5%

8.7/15 (17.5) kV

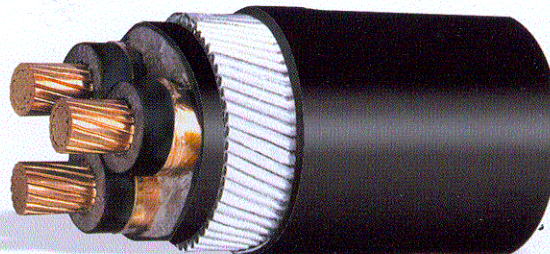
Multicore Copper or Aluminium XLPE Insulated, Steel Wire Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel wire armoured and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Max. conductor resistance		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid direct in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX3-T103-W12	25	0.7270	0.9272	0.17	0.416	131	136	55	5140
CX3-T103-W13	35	0.5240	0.6684	0.18	0.395	157	167	57	5710
CX3-T103-W14	50	0.3870	0.4938	0.20	0.378	187	197	60	6470
CX3-T103-W15	70	0.2680	0.3423	0.23	0.357	227	242	64	7440
CX3-T103-W16	95	0.1930	0.2469	0.25	0.340	273	293	68	8620
CX3-T103-W17	120	0.1530	0.1962	0.27	0.328	308	333	71	9720
CX3-T103-W18	150	0.1240	0.1596	0.30	0.318	343	374	76	11820
CX3-T103-W19	185	0.0991	0.1282	0.32	0.308	384	424	81	13410
CX3-T103-W20	240	0.0754	0.0987	0.36	0.298	445	490	88	15580
CX3-T103-W30	300	0.0601	0.0800	0.39	0.289	490	556	92	17980

Three cores, Aluminium conductor cables

AX3-T103-W12	25	1.2000	1.5400	0.17	0.416	101	106	55	4670
AX3-T103-W13	35	0.8680	1.1130	0.18	0.395	121	131	57	5060
AX3-T103-W14	50	0.6410	0.8220	0.20	0.378	141	152	60	5540
AX3-T103-W15	70	0.4430	0.5690	0.23	0.357	172	187	64	6140
AX3-T103-W16	95	0.3200	0.4110	0.25	0.340	207	227	68	6850
AX3-T103-W17	120	0.2530	0.3250	0.27	0.328	238	258	71	7490
AX3-T103-W18	150	0.2060	0.2660	0.30	0.318	268	288	76	9030
AX3-T103-W19	185	0.1640	0.2120	0.32	0.308	298	328	81	9970
AX3-T103-W20	240	0.1250	0.1630	0.36	0.298	344	384	86	11120
AX3-T103-W30	300	0.1000	0.1310	0.39	0.289	384	429	92	12400

- The above data is approximate and subjected to manufacturing tolerance.
- Delivery length tolerance is $\pm 5\%$

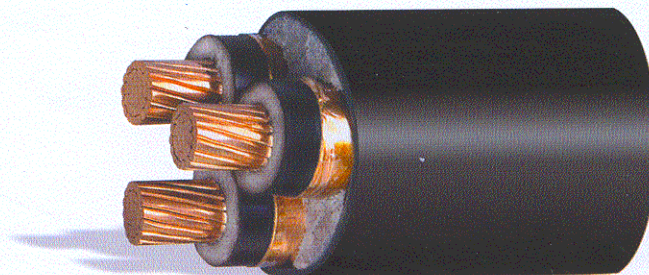
Single & Multicore Copper Conductors, XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Copper conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight	
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air				
	mm ²	Ω/km	Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat	A	A	mm

Single core cable

CX4-T101-U13	35	0.5240	0.6684	0.16	0.444	0.624	165	175	155	185	25.5	900
CX4-T101-U14	50	0.3870	0.4938	0.18	0.424	0.605	195	205	210	235	26.5	1050
CX4-T101-U15	70	0.2680	0.3423	0.20	0.402	0.582	240	250	265	295	28.3	1280
CX4-T101-U16	95	0.1930	0.2469	0.22	0.383	0.563	285	295	320	360	30.3	1590
CX4-T101-U17	120	0.1530	0.1962	0.24	0.369	0.550	325	335	370	410	31.9	1880
CX4-T101-U18	150	0.1240	0.1596	0.26	0.358	0.538	360	365	420	460	33.6	2190
CX4-T101-U19	185	0.0991	0.1282	0.28	0.346	0.527	405	410	480	524	35.6	2610
CX4-T101-U20	240	0.0754	0.0987	0.30	0.334	0.514	465	465	565	610	38.3	3240
CX4-T101-U30	300	0.0601	0.0800	0.33	0.324	0.504	525	515	645	690	40.9	3910
CX4-T101-U40	400	0.0470	0.0619	0.37	0.313	0.493	580	550	730	760	44.6	4990
CX4-T101-U50	500	0.0366	0.0491	0.40	0.303	0.484	650	605	835	860	47.8	6050
CX4-T101-U60	630	0.0283	0.0360	0.46	0.291	0.471	790	710	940	970	53.0	7330

Three core cables

CX4-T103-U13	35	0.5240	0.6684	0.16	0.413	-	155	-	155	-	51.5	3030
CX4-T103-U14	50	0.3870	0.4938	0.18	0.395	-	180	-	185	-	55.4	3670
CX4-T103-U15	70	0.2680	0.3423	0.20	0.374	-	220	-	230	-	58.8	4490
CX4-T103-U16	95	0.1930	0.2469	0.22	0.356	-	265	-	280	-	63.1	5450
CX4-T103-U17	120	0.1530	0.1962	0.24	0.343	-	300	-	325	-	67.1	6440
CX4-T103-U18	150	0.1240	0.1596	0.26	0.332	-	330	-	360	-	70.4	7510
CX4-T103-U19	185	0.0991	0.1282	0.28	0.321	-	380	-	410	-	74.6	8810
CX4-T103-U20	240	0.0754	0.0987	0.30	0.310	-	435	-	485	-	80.8	10840
CX4-T103-U30	300	0.0601	0.0800	0.33	0.300	-	490	-	550	-	86.2	12960

- The above data is approximate and subjected to manufacturing tolerance.
- Delivery length tolerance is ± 5%

12/20 (24) kV

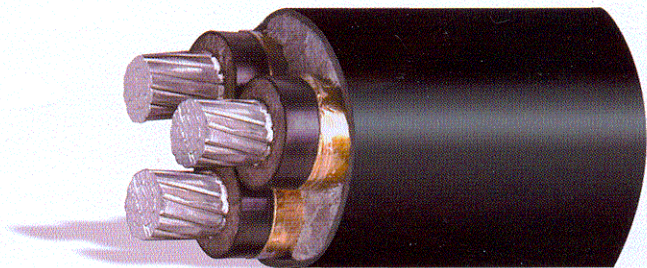
Single & Multicore Aluminium Conductors, XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Copper conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight	
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air				
	mm ²	Ω/km	Ω/km	µf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat	A	A	mm

Single core cable

AX4-T101-U13	35	0.8680	1.1130	0.16	0.444	0.624	140	145	135	145	25.5	680
AX4-T101-U14	50	0.6410	0.8220	0.18	0.424	0.605	150	160	160	180	26.5	720
AX4-T101-U15	70	0.4430	0.5690	0.20	0.402	0.582	185	190	205	230	28.3	840
AX4-T101-U16	95	0.3200	0.4110	0.22	0.383	0.563	220	230	245	275	30.3	980
AX4-T101-U17	120	0.2530	0.3250	0.24	0.369	0.550	250	260	285	315	31.9	1100
AX4-T101-U18	150	0.2060	0.2660	0.26	0.358	0.538	275	280	325	355	33.6	1240
AX4-T101-U19	185	0.1640	0.2120	0.28	0.346	0.527	310	315	370	405	35.6	1420
AX4-T101-U20	240	0.1250	0.1630	0.30	0.334	0.514	360	360	435	470	38.3	1680
AX4-T101-U30	300	0.1000	0.1310	0.33	0.324	0.504	395	405	495	530	40.9	1950
AX4-T101-U40	400	0.0778	0.1000	0.37	0.313	0.493	445	455	560	585	44.6	2370
AX4-T101-U50	500	0.0605	0.0800	0.40	0.303	0.484	465	495	640	660	47.8	2780
AX4-T101-U60	630	0.0469	0.0611	0.46	0.291	0.471	520	550	715	740	53.0	3430

Three core cables

AX4-T103-U13	35	0.8680	1.1130	0.16	0.413	-	135	-	130	-	51.5	2340
AX4-T103-U14	50	0.6410	0.8220	0.18	0.395	-	145	-	145	-	55.4	2700
AX4-T103-U15	70	0.4430	0.5690	0.20	0.374	-	180	-	180	-	58.8	3140
AX4-T103-U16	95	0.3200	0.4110	0.22	0.356	-	215	-	220	-	63.1	3620
AX4-T103-U17	120	0.2530	0.3250	0.24	0.343	-	230	-	255	-	67.1	4130
AX4-T103-U18	150	0.2060	0.2660	0.26	0.332	-	260	-	280	-	70.4	4620
AX4-T103-U19	185	0.1640	0.2120	0.28	0.321	-	295	-	315	-	74.6	5230
AX4-T103-U20	240	0.1250	0.1630	0.30	0.310	-	340	-	375	-	80.8	6170
AX4-T103-U30	300	0.1000	0.1310	0.33	0.300	-	390	-	430	-	86.2	7110

- The above data is approximate and subjected to manufacturing tolerance.
 - Delivery length tolerance is ± 5%

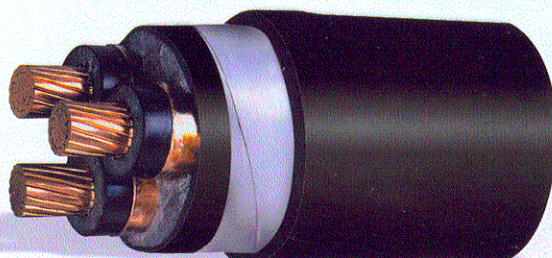


12/20 (24) kV

Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Tape Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel tape armoured and PVC sheathed.
- Cables are produced according to IEC 60502.



Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.

Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Max. conductor resistance		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX4-T103-A13	35	0.5240	0.6684	0.16	0.413	155	165	56.6	4540
CX4-T103-A14	50	0.3870	0.4938	0.18	0.395	185	195	61.0	5190
CX4-T103-A15	70	0.2680	0.3423	0.20	0.374	225	240	64.5	6200
CX4-T103-A16	95	0.1930	0.2469	0.22	0.356	270	290	69.0	7400
CX4-T103-A17	120	0.1530	0.1962	0.24	0.343	305	330	73.1	8490
CX4-T103-A18	150	0.1240	0.1596	0.26	0.332	340	370	77.0	9770
CX4-T103-A19	185	0.0991	0.1282	0.28	0.321	380	420	82.5	12150
CX4-T103-A20	240	0.0754	0.0987	0.30	0.310	440	490	88.6	14460
CX4-T103-A30	300	0.0601	0.0800	0.33	0.300	490	550	94.5	17100

Three cores, Aluminium conductor cables

AX4-T103-A13	35	0.8680	1.1130	0.16	0.413	120	130	56.6	3860
AX4-T103-A14	50	0.6410	0.8220	0.18	0.395	145	150	61.0	4230
AX4-T103-A15	70	0.4430	0.5690	0.20	0.374	175	185	64.5	4880
AX4-T103-A16	95	0.3200	0.4110	0.22	0.356	210	225	69.0	5570
AX4-T103-A17	120	0.2530	0.3250	0.24	0.343	235	255	73.1	6170
AX4-T103-A18	150	0.2060	0.2660	0.26	0.332	265	285	77.0	6930
AX4-T103-A19	185	0.1640	0.2120	0.28	0.321	295	325	82.5	8580
AX4-T103-A20	240	0.1250	0.1630	0.30	0.310	340	380	88.6	9770
AX4-T103-A30	300	0.1000	0.1310	0.33	0.300	380	425	94.5	11220

- The above data is approximate and subjected to manufacturing tolerance.

- Delivery length tolerance is ± 5%

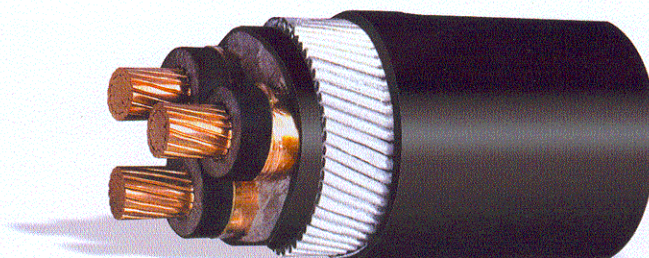
Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Wire Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel tape armoured and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Max. conductor resistance		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid direct in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX4-T103-W13	35	0.5240	0.6684	0.16	0.413	157	167	62	6400
CX4-T103-W14	50	0.3870	0.4938	0.18	0.395	187	197	65	7130
CX4-T103-W15	70	0.2680	0.3423	0.20	0.374	227	242	69	8130
CX4-T103-W16	95	0.1930	0.2469	0.22	0.356	273	293	74	10130
CX4-T103-W17	120	0.1530	0.1962	0.24	0.343	303	333	78	11360
CX4-T103-W18	150	0.1240	0.1596	0.26	0.332	343	374	81	12730
CX4-T103-W19	185	0.0991	0.1282	0.28	0.321	384	424	85	14210
CX4-T103-W20	240	0.0754	0.0987	0.30	0.310	444	494	90	16410
CX4-T103-W30	300	0.0601	0.0800	0.33	0.300	495	556	96	18840

Three cores, Aluminium conductor cables

AX4-T103-W13	35	0.8680	1.1130	0.16	0.413	121	131	62	5750
AX4-T103-W14	50	0.6410	0.8220	0.18	0.395	147	152	65	6200
AX4-T103-W15	70	0.4430	0.5690	0.20	0.374	177	187	69	6830
AX4-T103-W16	95	0.3200	0.4110	0.22	0.356	212	227	74	8360
AX4-T103-W17	120	0.2530	0.3250	0.24	0.343	237	258	78	9130
AX4-T103-W18	150	0.2060	0.2660	0.26	0.332	268	288	81	9940
AX4-T103-W19	185	0.1640	0.2120	0.28	0.321	298	328	85	10770
AX4-T103-W20	240	0.1250	0.1630	0.30	0.310	343	384	90	11950
AX4-T103-W30	300	0.1000	0.1310	0.33	0.300	384	429	96	13260

- The above data is approximate and subjected to manufacturing tolerance.
 - Delivery length tolerance is ± 5%

18/30 (36) kV

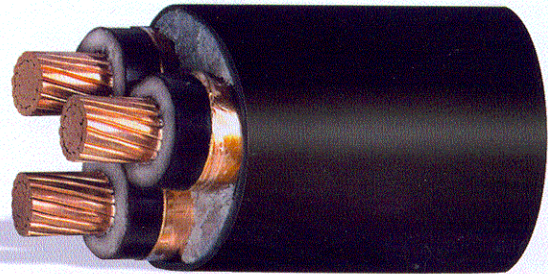
Single & Multicore Copper Conductors, XLPE Insulated and PVC Sheathed

Description

- Stranded circular compacted Copper conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air			
	mm ²			Ω/km			Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat
							A	A	A	A	mm	kg/km

Single core cable

CX5-T101-U14	50	0.3870	0.4938	0.14	0.460	0.640	195	205	210	235	32.0	1310
CX5-T101-U15	70	0.2680	0.3423	0.15	0.435	0.616	240	250	265	295	33.8	1560
CX5-T101-U16	95	0.1930	0.2469	0.17	0.415	0.595	285	295	320	360	35.8	1890
CX5-T101-U17	120	0.1530	0.1962	0.18	0.399	0.580	325	335	370	410	37.5	2200
CX5-T101-U18	150	0.1240	0.1596	0.20	0.386	0.567	360	365	420	460	39.2	2530
CX5-T101-U19	185	0.0991	0.1282	0.21	0.374	0.554	405	410	480	524	41.2	2960
CX5-T101-U20	240	0.0754	0.0987	0.23	0.360	0.540	465	465	565	610	43.8	3610
CX5-T101-U30	300	0.0601	0.0800	0.25	0.348	0.528	525	515	645	690	46.4	4300
CX5-T101-U40	400	0.0470	0.0619	0.27	0.336	0.516	580	550	730	760	50.2	5420
CX5-T101-U50	500	0.0366	0.0491	0.30	0.325	0.505	650	605	835	860	53.4	6510
CX5-T101-U60	630	0.0283	0.0360	0.34	0.310	0.490	790	710	940	970	59.0	7820

Three core cables

CX5-T103-U14	50	0.3870	0.4938	0.14	0.433	-	185	-	195	-	66.9	4670
CX5-T103-U15	70	0.2680	0.3423	0.15	0.409	-	225	-	240	-	70.4	5570
CX5-T103-U16	95	0.1930	0.2469	0.17	0.389	-	265	-	285	-	74.6	6700
CX5-T103-U17	120	0.1530	0.1962	0.18	0.375	-	300	-	330	-	78.6	7570
CX5-T103-U18	150	0.1240	0.1596	0.20	0.362	-	335	-	365	-	82.0	8750
CX5-T103-U19	185	0.0991	0.1282	0.21	0.350	-	385	-	425	-	86.2	10120
CX5-T103-U20	240	0.0754	0.0987	0.23	0.337	-	440	-	490	-	92.3	12250
CX5-T103-U30	300	0.0601	0.0800	0.25	0.325	-	490	-	535	-	97.7	14470

Notes :

This data is applicable for 19/33 kV cables

The above data is approximate and subjected to manufacturing tolerance.

Delivery length tolerance is ± 5%



18/30 (36) kV

Single & Multicore Aluminium Conductors, XLPE Insulated and PVC Sheathed

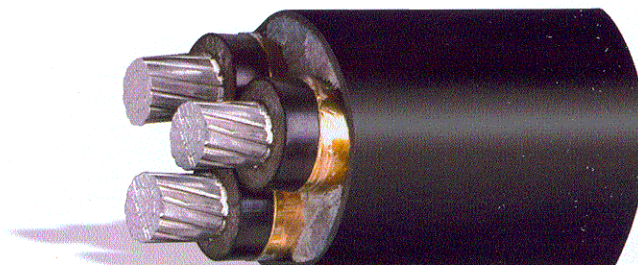
Description

- Stranded circular compacted Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape and PVC sheathed.

- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance		Current rating				Approx. overall diameter	Approx. weight			
		DC at 20 °C	AC at 90 °C		Trefoil	Flat	Laid in ground		Laid in free air						
	mm ²	Ω/km	Ω/km	μf/km	mh/km	mh/km	Trefoil	Flat	Trefoil	Flat	A	A	A	A	mm

Single core cable

AX5-T101-U14	50	0.6410	0.8220	0.14	0.460	0.640	150	160	160	180	32.0	990
AX5-T101-U15	70	0.4430	0.5690	0.15	0.435	0.616	185	190	205	230	33.8	1120
AX5-T101-U16	95	0.3200	0.4110	0.17	0.415	0.595	220	230	245	275	35.8	1280
AX5-T101-U17	120	0.2530	0.3250	0.18	0.399	0.580	250	260	285	315	37.5	1430
AX5-T101-U18	150	0.2060	0.2660	0.20	0.386	0.567	275	280	325	355	39.2	1580
AX5-T101-U19	185	0.1640	0.2120	0.21	0.374	0.554	310	315	370	405	41.2	1770
AX5-T101-U20	240	0.1250	0.1630	0.23	0.360	0.540	360	360	435	470	43.8	2050
AX5-T101-U30	300	0.1000	0.1310	0.25	0.348	0.528	395	405	495	530	46.4	2340
AX5-T101-U40	400	0.0778	0.1000	0.27	0.336	0.516	445	455	560	585	50.2	2800
AX5-T101-U50	500	0.0605	0.0800	0.30	0.325	0.505	465	495	640	660	53.4	3240
AX5-T101-U60	630	0.0469	0.0611	0.34	0.310	0.490	520	550	715	740	59.0	3920

Three core cables

AX5-T103-U14	50	0.6410	0.8220	0.14	0.433	-	145	-	155	-	66.9	3710
AX5-T103-U15	70	0.4430	0.5690	0.15	0.409	-	175	-	195	-	70.4	4210
AX5-T103-U16	95	0.3200	0.4110	0.17	0.389	-	210	-	235	-	74.6	4760
AX5-T103-U17	120	0.2530	0.3250	0.18	0.375	-	230	-	265	-	78.6	5250
AX5-T103-U18	150	0.2060	0.2660	0.20	0.362	-	260	-	295	-	82.0	5850
AX5-T103-U19	185	0.1640	0.2120	0.21	0.350	-	300	-	325	-	86.2	6540
AX5-T103-U20	240	0.1250	0.1630	0.23	0.337	-	340	-	365	-	92.3	7590
AX5-T103-U30	300	0.1000	0.1310	0.25	0.325	-	375	-	410	-	97.7	8620

Notes :

This data is applicable for 19/33 kV cables

The above data is approximate and subjected to manufacturing tolerance.

Delivery length tolerance is ± 5%

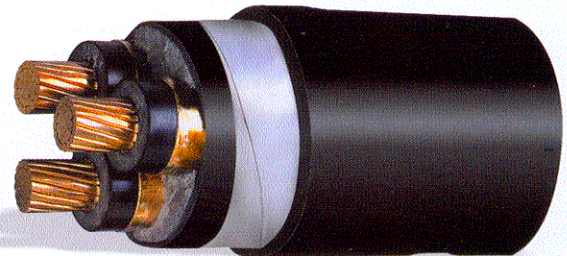


18/30 (36) kV

Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Tape Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel Tape armoured and PVC sheathed.
- Cables are produced according to IEC 60502.



Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.

Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Current rating		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX5-T103-A14	50	0.3870	0.4938	0.14	0.433	190	200	72.9	6920
CX5-T103-A15	70	0.2680	0.3423	0.15	0.409	230	245	76.5	7860
CX5-T103-A16	95	0.1930	0.2469	0.17	0.389	275	295	82.2	9980
CX5-T103-A17	120	0.1530	0.1962	0.18	0.375	310	335	86.3	11190
CX5-T103-A18	150	0.1240	0.1596	0.20	0.362	345	375	89.9	12380
CX5-T103-A19	185	0.0991	0.1282	0.21	0.350	385	425	94.2	14280
CX5-T103-A20	240	0.0754	0.0987	0.23	0.337	445	495	100.6	16800
CX5-T103-A30	300	0.0601	0.0800	0.25	0.325	495	555	106.2	19480

Three cores, Aluminium conductor cables

AX5-T103-A14	50	0.6410	0.8220	0.14	0.433	150	155	72.9	5950
AX5-T103-A15	70	0.4430	0.5690	0.15	0.409	180	190	76.5	6540
AX5-T103-A16	95	0.3200	0.4110	0.17	0.389	215	230	82.2	8140
AX5-T103-A17	120	0.2530	0.3250	0.18	0.375	240	260	86.3	8860
AX5-T103-A18	150	0.2060	0.2660	0.20	0.362	270	280	89.9	9480
AX5-T103-A19	185	0.1640	0.2120	0.21	0.350	300	330	94.2	10720
AX5-T103-A20	240	0.1250	0.1630	0.23	0.337	345	385	100.6	12110
AX5-T103-A30	300	0.1000	0.1310	0.25	0.325	385	430	106.2	13600

Notes :

This data is applicable for 19/33 kV cables

The above data is approximate and subjected to manufacturing tolerance.

Delivery length tolerance is ± 5%

18/30 (36) kV

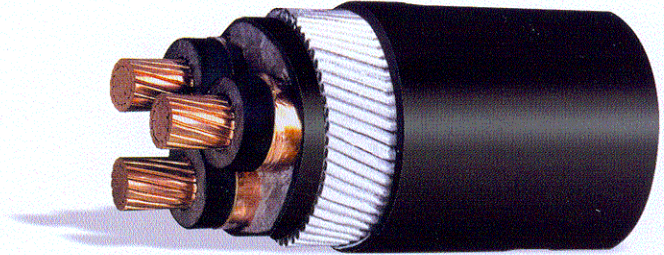
Multicore Copper or Aluminium Conductors, XLPE Insulated, Steel Wire Armoured and PVC Sheathed

Description

- Stranded circular compacted Copper or Aluminium conductor, semiconducting layer as conductor screen, XLPE insulated, semiconducting layer as non metallic insulation screen, Copper tape or wire as metallic insulation screen, three cores assembled together with non hygroscopic Polypropylene fillers, wrapped with polyester tape, covered with a layer of PVC compound as a bedding, steel wire armoured and PVC sheathed.
- Cables are produced according to IEC 60502.

Application

- These cables are generally suitable for direct burial or for installation on trays or ducts.



Egytech - code	Nominal cross sectional area	Max. conductor resistance		Operating capacitance	Inductance	Current rating		Approx. overall diameter	Approx. weight
		DC at 20 °C	AC at 90 °C			Laid in ground	Laid in free air		
	mm ²	Ω/km	Ω/km	µf/km	mh/km	A	A	mm	kg/km

Three cores, Copper conductor cables

CX5-T103-W14	50	0.3870	0.4938	0.14	0.433	192	202	78	9840
CX5-T103-W15	70	0.2680	0.3423	0.15	0.409	232	247	82	10930
CX5-T103-W16	95	0.1930	0.2469	0.17	0.389	278	298	86	12250
CX5-T103-W17	120	0.1530	0.1962	0.18	0.375	313	338	89	13470
CX5-T103-W18	150	0.1240	0.1596	0.20	0.362	348	379	93	14830
CX5-T103-W19	185	0.0991	0.1282	0.21	0.350	389	429	97	16370
CX5-T103-W20	240	0.0754	0.0987	0.23	0.337	449	500	104	18810
CX5-T103-W30	300	0.0601	0.0800	0.25	0.325	500	561	110	20920

Three cores, Aluminium conductor cables

AX5-T103-W14	50	0.6410	0.8220	0.14	0.433	152	157	78	8910
AX5-T103-W15	70	0.4430	0.5690	0.15	0.409	182	192	82	9630
AX5-T103-W16	95	0.3200	0.4110	0.17	0.389	217	232	86	10480
AX5-T103-W17	120	0.2530	0.3250	0.18	0.375	242	263	89	11240
AX5-T103-W18	150	0.2060	0.2660	0.20	0.362	273	283	93	12040
AX5-T103-W19	185	0.1640	0.2120	0.21	0.350	303	333	97	12930
AX5-T103-W20	240	0.1250	0.1630	0.23	0.337	349	389	104	14350
AX5-T103-W30	300	0.1000	0.1310	0.25	0.325	399	434	110	15340

Notes :

This data is applicable for 19/33 kV cables
 The above data is approximate and subjected to manufacturing tolerance.
 Delivery length tolerance is ± 5%