

klcc
KLC KABLO
Energy of Future



www.klccable.com

Our Mission

We consider it as our main duty to serve and contribute to the energy sector of Turkey and the World with our high-quality and innovative products by being customer-oriented, environmentally sensitive, sustainable and working in cooperation with our stakeholders.

Our Vision

Now and for the future, we aim to combine the definitions of trust and quality in the energy sector of Turkey and the World with our brand.

INDEX

Aluminium Wire & Wire Rods

EC

6101T4 Alloy

Aluminium Conductors & Utility Wires

AAC

ACSR

AAAC

ACSR/AW

SDC (Duplex, Triplex, Quadruplex)

0,6-1KV Power Cables

Aerial Bundled Cables (ABC) – (PE, XLPE, HDPE) Single and Multicore

NAYY (Single Core, 3+1 Core, 4 Core)

NA2XY (Single Core, 3+1 Core, 4 Core)

NAYFGby (3+1 Core, 4 Core)

0,6-1Kv Building Wires

XHHW -2

RHH/RHW -2/USE -2

Service Entrance Cables (Type SE -R, SE -U)

MC Cable

Mobile Home Feeders (MHF)

THHN -THWN -2

600V Secondary URD

Photovoltaic Cables (PV)

600V

1KV

2KV

Halogen Free Cables (HFFR Jacket)

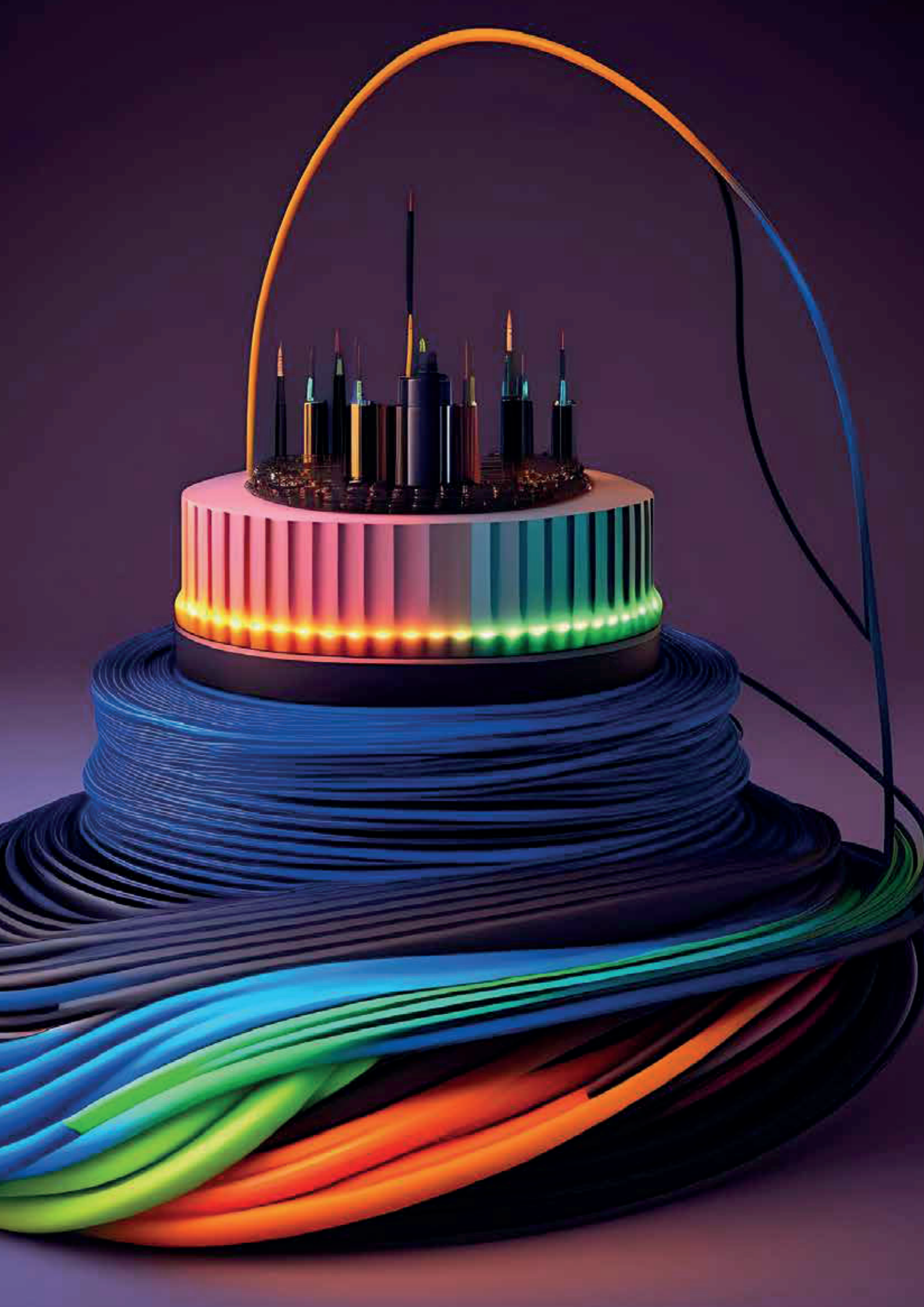
NA2XH, YAXH (Single Core, 3+1 Core, 4 Core)



KLC Cable completed the necessary research and development efforts to produce high-quality products on a 28,000 square meter closed area with an experienced team and machine park investment, aiming to manufacture Aluminum Conductor s & 0.6-1 kV aerial and underground cables and Aluminum 6-45 kV medium voltage power cables for electrical transmission line cables. Supply and sales operations to many countries, including Europe, America, South America, and Africa, were initiated. Continuous improvement efforts are ongoing to best production quality, along with new investments, reaching a monthly sales target of 2000 tons with best qualified products.

Details of the product groups mentioned next are provided.

"The best place to do a job well is where quality and trust are found."



No. Xnominal Area of the Conductors	Covered Conductors / Yalıtılmış İletkenler					Neutral / Askı Teli			Complete Cable / İmalatı Tamamlanmış Kablo	
	No. Xnominal Area of the Conductors	Number of Wires Phase Conductor	Diameter of Conductors (Approx.)	Max. Resistance at 20°C	Min. Thickness of PE Cover	Nominal Diameter of Neutral (Approx.)	Min. Breaking Load	Max. Resistance at 20°C	Outer Diameter (Approx.)	Unit Weight (Approx.)
İletkenlerin Sayısı ve Anma Kesit	Sayı ve Kesit Alanı	Fazla İletkenlerdeki Tellerin Sayısı	İletkenlerin Ortalama Çapı (Yaklaşık)	20°C'deki Maksimum Direnç	Min. Anma Yalıtım Kalınlığı	Askı Telinin Ortalama Çapı (Yaklaşık)	Min. Kopma Yükü	20°C'deki Maksimum Direnç	Dış Çap (Yaklaşık)	Birim Ağırlık (Yaklaşık)
mm ²	mm ²	Adet	mm	Ω/km	mm	mm	kN	Ω/km	mm	kg/km
1x16+25	1x16	7	4,4	1,910	1,4	5,9	7,4	1,38	13,0	140
1x25+35	1x25	7	5,9	1,200	1,4	6,9	10,3	0,986	15,5	190
1x35+50	1x35	7	6,9	0,868	1,6	8,1	14,2	0,72	17,8	260
1x50+70	1x50	7	8,1	0,641	1,6	9,7	20,6	0,493	21,0	360
1x70+95	1x70	7	9,7	0,443	1,8	11,4	27,9	0,363	24,5	505
3x16+25	3x16	7	4,4	1,910	1,4	5,9	7,4	1,38	13,1	270
3x25+35	3x25	7	5,9	1,200	1,4	6,9	10,3	0,986	20,0	390
3x35+50	3x35	7	6,9	0,868	1,6	8,1	14,2	0,72	23,0	530
3x50+70	3x50	7	8,1	0,641	1,6	9,7	20,6	0,493	26,0	700
3x70+95	3x70	7	9,7	0,443	1,8	11,4	27,9	0,363	31,0	990
3x95+95	3x95	19	11,4	0,320	1,8	11,4	27,9	0,363	34,0	1240
3x120+95	3x120	19	12,8	0,253	2,0	11,4	27,9	0,363	37,0	1510
3x150+95	3x150	19	14,1	0,206	2,0	11,4	27,9	0,363	39,5	1780
1x16+1x16+25	1x16	7	4,4	1,91	1,4	5,9	7,4	1,38	16,5	210
1x25+1x16+35	1x25	7	5,9	1,2	1,4	6,9	10,3	0,986	19,5	260
1x35+1x16+50	1x35	7	6,9	0,868	1,6	8,1	14,2	0,72	22,0	330
3x16+1x16+25	3x16	7	4,4	1,91	1,4	5,9	7,4	1,38	16,5	350
3x25+1x16+35	3x25	7	5,9	1,2	1,4	6,9	10,3	0,986	19,5	460
3x35+1x16+50	3x35	7	6,9	0,868	1,6	8,1	14,2	0,72	22,0	610
3x50+1x16+70	3x50	7	8,1	0,641	1,6	9,7	20,6	0,493	26,0	780
3x70+1x16+95	3x70	7	9,7	0,443	1,8	11,4	27,9	0,363	31,0	1080
3x95+1x16+95	3x95	19	11,4	0,320	1,8	11,4	27,9	0,363	34,0	1300
3x95+1x16+120	3x95	19	11,4	0,320	1,8	12,8	27,9	0,363	34,5	1380
3x120+1x16+95	3x120	19	12,8	0,253	2,0	11,4	27,9	0,363	37,0	1570
3x150+1x16+95	3x150	30	14,2	0,206	2,0	11,4	27,9	0,363	39,5	1850



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class
Polietilen İzole / PE Insulation
Çıplak Askı Teli / Neutral Non-Insulated

s 2

APPLICATION:

Aerial outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 70 °C
Maximum short circuit temperature (Max. 5 minutes): 135 °C
Standard: HD 626-S1, TSE 11654
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Havai elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda
En yüksek normal şartlarda sürekli çalışma sıcaklığı: 70 oC
En yüksek kısa devre akımında çalışma sıcaklığı: 135 oC
Standart: HD 626-S1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. Xnominal Area of the Conductors	Min. No. of Wires in Phase Conductor	Nominal insulation thickness / Nominal İzole Kalınlığı			Overall Diameter of Bundled (approx.)	Cable weight (approx.)	DC resistance (Max) 20°C / En Yüksek DC Elektrik Direnci 20 °C'de			Current Carrying Capacity of Phase	Current Carrying Capacity of Street Lighting
		Phase Conductor	Neutral	Street Lighting			Phase Conductor	Neutral	Street Lighting		
İletkenlerin Sayısı ve Anma Kesiti	Faz İletkeni için En Düşük Tel Sayısı	Faz İletkeni	Nötr Askı Teli	Sokak Aydınlatma	Kablo Bükülmesi İçin En Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	Faz İletkeni	Nötr Askı Teli	Sokak Aydınlatma	Faz İletken Akım Taşıma Kapasitesi	Sokak Aydınlatma Akım Taşıma Kapasitesi
No. * sqmm	mm	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	A	A
2x16	6	1,20	-	-	14,0	131	1,91	-	-	70	-
2x25	6	1,20	-	-	16,5	185	1,20	-	-	95	-
2x35	6	1,40	-	-	19,0	258	0,868	-	-	115	-
2x50	6	1,40	-	-	21,5	295	0,641	-	-	140	-
4x10	6	1,40	-	-	16,0	154	-	-	-	-	-
4x16	6	1,20	-	-	17,0	263	1,91	-	-	75	-
4x25	6	1,40	-	-	21,0	375	1,20	-	-	95	-
4x35	6	1,40	-	-	23,0	533	0,868	-	-	115	-
4x50	6	1,60	-	-	27,0	692	0,641	-	-	140	-
3x50+25+16	7	1,40	1,00	1,00	25,5	598	0,641	1,380	1,20	140	70
3x70+35+16	7	1,40	1,00	1,00	28,5	915	0,443	0,986	-	180	70
3x95+50+16	19	1,40	1,00	1,00	32,0	1150	0,320	0,720	1,20	-	70
3x120+70+16	19	1,60	1,00	1,00	35,5	1435	0,253	0,493	-	250	70
3x120+95+16	19	1,60	1,00	1,00	36,5	1536	0,253	0,363	1,20	250	70

Electrical and Mechanical Properties Aerial Bundled Conductors

Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2
HDPE İzole / HDPE Insulation

APPLICATION:

Aerial outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 90 °C Maximum short circuit temperature: 200 °C
Standard: HD 626-S1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Havai elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda En yüksek normal şartlarda sürekli çalışma sıcaklığı: 90 °C En yüksek kısa devre akımında çalışma sıcaklığı: 200 °C
Standart: HD 626-S1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. Xnominal Area of the Conductors	Min. No. of Wires in Phase Conductor	Nominal insulation thickness / Nominal İzole Kalınlığı			Overall Diameter of Bundled (approx.)	Cable weight (approx.)	DC resistance (Max.) 20°C / En Yüksek DC Elektrik Direnci 20 oC'de			Current Carrying Capacity of Phase	Current Carrying Capacity of Street Lighting
		Phase Conductor	Neutral	Street Lighting			Phase Conductor	Neutral	Street Lighting		
İletkenlerin Sayısı ve Anma Kesiti	Faz İletkeni için En Düşük Tel Sayısı	Faz İletkeni	Nötr Askı Teli	Sokak Aydınlatma	Kablo Bükülme Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	Faz İletkeni	Nötr Askı Teli	Sokak Aydınlatma	Faz İletken Akım Taşıma Kapasitesi	Sokak Aydınlatma Akım Taşıma Kapasitesi
No. * sqmm	mm	mm	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	A	A
2x16	6	1,20	-	-	15,0	136	1,910	-	-	83	-
4x16	6	1,20	-	-	18,0	272	1,910	-	-	83	-
2x25	6	1,40	-	-	18,0	200	1,200	-	-	112	-
4x25	6	1,40	-	-	22,0	400	1,200	-	-	112	-
5x25	6	1,40	-	-	24,0	500	1,200	-	-	112	-
6x25	6	1,40	-	-	26,0	600	1,200	-	-	112	-
3x25+25	6	1,40	1,40	-	22,0	400	1,200	1,380	-	112	-
3x25+54,6	6	1,40	1,60	-	30,0	515	1,200	0,630	-	112	-
3x35+54,6	6	1,60	1,60	-	33,0	630	0,868	0,630	-	-	-
3x35+54,6+2x25 (*)	6	1,60	1,60	1,40	33,5	835	0,868	0,630	1,200	-	112
3x50+54,6	6	1,60	1,60	-	34,0	750	0,641	0,630	-	168	-
3x50+54,6+2x25 (*)	6	1,60	1,60	1,40	35,0	955	0,641	0,630	1,200	168	112
4x50	6	1,60	1,60	-	34,0	720	0,641	-	-	168	-
4x50+2x25 (*)	6	1,60	-	1,40	35,5	920	0,641	-	1,200	168	112
3x70+54,6+2x25 (*)	12	1,80	1,60	1,40	38,0	1180	0,443	0,630	1,200	213	112
3x95+54,6	19	1,80	1,60	-	39,5	1210	0,320	0,630	-	258	-
3x95+54,6+2x25 (*)	19	1,80	1,60	1,40	40,0	1420	0,320	0,630	1,200	258	112
4x95	19	1,80	-	-	39,5	1340	0,320	-	-	258	-
4x95+2x25 (*)	19	1,80	-	1,40	40,5	1545	0,320	-	1,200	258	112
3x150+95+2x25 (*)	19	1,70	1,60	1,40	43,5	2050	0,206	0,343	1,200	344	112



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2
XLPE İzole / XLPE Insulation

APPLICATION:

Aerial outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 90 °C
Maximum short circuit temperature: 250 °C
Standard: HD 626-S1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Havaî elektrik tesisatlarında, mekanik darbe riski olmayan uygun alanlarda
En yüksek normal şartlarda sürekli çalışma sıcaklığı: 90 oC
En yüksek kısa devre akımında çalışma sıcaklığı: 250 oC
Standart: HD 626-S1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C /	"Current Carrying Capacity / Akım Taşıma Kapasitesi"			
							In Air / Havada "Under Ground / Yer Altında"			
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	Flat / Düz	Trefoil / Üçgen	Flat / Düz	Trefoil / Üçgen
	No. * sqmm		mm	mm	mm	mm	kg/km	Ω/km	Ω/km	
1 conductor										
1x25	6	1,20	1,4	11,1	190	1,200	110	87	160	106
1x35	6	1,20	1,4	12,2	230	0,868	135	107	193	127
1x50	6	1,40	1,4	13,7	290	0,641	166	131	230	151
1x70	12	1,40	1,4	15,3	380	0,443	210	166	283	185
1x95	15	1,60	1,5	17,6	490	0,32	259	205	340	222
1x120	15	1,60	1,6	19,3	580	0,253	302	239	389	253
1x150	15	1,80	1,6	21,2	720	0,206	345	273	436	284
1x185	30	2,00	1,7	23,4	880	0,164	401	317	496	313
1x240	30	2,20	1,8	26,3	1100	0,125	479	378	578	375
1x300	30	2,40	1,9	28,9	1300	0,100	555	437	656	419
1x400	53	2,60	2,0	32,7	1700	0,0778	653	513	756	487
1x500	53	2,80	2,1	36,0	2250	0,0605	772	600	873	558

(N)AYY-RM 1 (SINGLE) CORE

Electrical and Mechanical Properties – Round Conductors



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2

PVC İzole / PVC Insulation

PVC Dış Kılıf / PVC Sheath

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 70 °C
Maximum short circuit temperature: 160 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Bina içi ve dışı elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda
En yüksek normal şartlarda sürekli çalışma sıcaklığı: 70 oC
En yüksek kısa devre akımında çalışma sıcaklığı: 160 oC
Standart: IEC 60502-1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	"Current Carrying Capacity / Akım Taşıma Kapasitesi"	
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	In Air / Havada	"Under Ground / Yer Altında"
	No. * sqmm		mm	mm	mm	mm	A	A
3+1 conductors								
3x25+16	6	1,20	1,8	24	850	1,200	82	102
3x35+16	6	1,20	1,8	26	980	0,868	100	123
3x50+25	6	1,40	1,9	29	1330	0,641	119	144
3x70+35	12	1,40	2,0	33	1750	0,443	152	179
3x95+50	15	1,60	2,2	38	2300	0,320	186	215
3x120+70	15	1,60	2,3	42	2800	0,253	216	245
3x150+70	15	1,80	2,4	46	3300	0,206	246	275
3x185+95	30	2,00	2,6	52	4150	2,164	285	313
3x240+120	30	2,20	2,8	58	5150	0,125	338	364

(N)AYY-RM 3+1 CORE
Electrical and Mechanical Properties – Round Conductors



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2

PVC İzole / PVC Insulation

Dolgu / Filler

PVC Dış Kılıf / PVC Sheath

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.

Maximum continuous normal operating temperature: 70 °C

Maximum short circuit temperature: 160 °C

Standard: IEC 60502-1

Power cables with extruded insulation

Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Bina içi ve dışı elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda

En yüksek normal şartlarda sürekli çalışma sıcaklığı: 70 oC

En yüksek kısa devre akımında çalışma sıcaklığı: 160 oC

Standart: IEC 60502-1

Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	"Current Carrying Capacity / Akım Taşıma Kapasitesi "	
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	In Air / Havada	"Under Ground / Yer Altında "
	No.* sqmm		mm	mm		mm	A	A
4 conductors								
4x16	6	1,00	1,8	1,8	640	1,910	-	-
4x25	6	1,20	1,8	1,8		1,200	82	102
4x35	6	1,20	1,8	1,8		0,868	100	123
4x50	6	1,40	2,0	2,0		0,641	119	144
4x70	12	1,40	2,1	2,1		0,443	152	179
4x95	15	1,60	2,3	2,3		0,320	186	215
4x120	15	1,60	2,4	2,4		0,253	216	245
4x150	15	1,80	2,6	2,6		0,206	246	275
4x185	30	2,00	2,7	2,7		0,164	285	313
4x240	30	2,20	3,0	3,0		0,125	338	364



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2
PVC İzole / PVC Insulation
Dolgu / Filler
PVC Dış Kılıf / PVC Sheath

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 70 °C
Maximum short circuit temperature: 160 °C
Standard: IEC 60502-1
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Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

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Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C /	"Current Carrying Capacity / Akım Taşıma Kapasitesi"			
							In Air / Havada "Under Ground / Yer Altında"		Flat / Düz	Trefoil / Üçgen
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	kg/km	Ω/km	Ω/km	
1 conductor / 1 İletken										
1x25	6	0,90	1,4	10,3	165	1,200	136	106	177	114
1x35	6	0,90	1,4	11,3	200	0,868	166	130	212	136
1x50	6	1,00	1,4	12,7	245	0,641	205	161	252	162
1x70	12	1,10	1,4	14,8	330	0,443	260	204	310	199
1x95	15	1,10	1,5	16,5	420	0,32	321	252	372	238
1x120	15	1,20	1,5	18,0	510	0,253	376	295	425	272
1x150	15	1,40	1,6	20,2	630	0,206	431	339	476	305
1x185	30	1,60	1,6	22,5	780	0,164	501	395	541	347
1x240	30	1,70	1,7	25,1	975	0,125	600	472	631	404
1x300	30	1,80	1,8	27,6	1150	0,100	696	547	716	457
1x400	53	2,00	1,9	31,4	1545	0,0778	821	643	825	525
1x500	53	2,00	1,9	35,0	2100	0,0605	971	754	952	601
1x630	53	2,40	2,2	40,0	2550	0,0469	1151	882	1102	687

(N)A2XY-RM1 (SINGLE) CORE

Electrical and Mechanical Properties – Round Conductors



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2

XLPE İzole / XLPE Insulation

PVC Dış Kılıf / PVC Sheath

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.

Maximum continuous normal operating temperature: 90 °C

Maximum short circuit temperature: 250 °C

Standard: IEC 60502-1

Power cables with extruded insulation

Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Bina içi ve dışı elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda

En yüksek normal şartlarda sürekli çalışma sıcaklığı: 90 oC

En yüksek kısa devre akımında çalışma sıcaklığı: 250 oC

Standart: IEC 60502-1

Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Min. no. of wires in neutral conductor Phase	Nominal insulation thickness Phase	Nominal insulation thickness Neutral	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	"Current Carrying Capacity / Akım Taşıma Kapasitesi"	
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nötr İletkeni için En Düşük Tel Sayısı Nötr	Nominal İzolasyon Kalınlığı Faz	Nominal İzolasyon Kalınlığı Nötr	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	In Air / Havada	"Under Ground / Yer Altında"
No. * sqmm			mm		mm	mm	mm	mm	A	A
3+1 conductors / 3+1 İletken										
3x25+16	6	6	0,90	0,70	1,80	22,80	712	1,200	102	112
3x35+16	6	6	0,90	0,70	1,80	22,40	832	0,868	126	135
3x50+25	6	6	1,00	0,90	1,90	28,20	1115	0,641	149	158
3x70+35	12	6	1,10	0,90	2,00	32,70	1472	0,443	191	196
3x95+50	15	6	1,10	1,00	2,10	36,90	1930	0,320	234	234
3x120+70	15	12	1,20	1,10	2,30	41,50	2440	0,253	273	268
3x150+70	15	12	1,40	1,10	2,40	45,10	2900	0,206	311	300
3x185+95	30	15	1,60	1,10	2,60	50,20	3650	2,164	360	342
3x240+120	30	15	1,70	1,20	2,80	56,00	4550	0,125	427	398

(N)A2XY-RM 3+1 CORE

Electrical and Mechanical Properties – Round Conductors

Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2

XLPE İzole / XLPE Insulation
Dolgu / Filler
PVC Dış Kılıf / PVC Sheath

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 90 °C
Maximum short circuit temperature: 250 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Bina içi ve dışı elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda
En yüksek normal şartlarda sürekli çalışma sıcaklığı: 90 oC
En yüksek kısa devre akımında çalışma sıcaklığı: 250 oC
Standart: IEC 60502-1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	"Current Carrying Capacity / Akım Taşıma Kapasitesi"	
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	In Air / Havada	"Under Ground / Yer Altında"
	No. * sqmm		mm	mm	mm	mm	A	A
4 conductors								
4x70	12	1,40	2,10	35,00	1500	0,443	152	179
4x95	15	1,60	2,30	40,00	1950	0,320	186	215
4x120	15	1,60	2,40	44,00	2350	0,253	216	245
4x150	15	1,80	2,50	48,00	2850	0,206	246	275
4x185	30	2,00	2,70	54,00	3600	0,164	285	313
4x240	30	2,20	2,90	60,00	4400	0,125	338	364

(N)A2XY-RM 4 CORE

Electrical and Mechanical Properties – Round Conductors



XLPE İzole / XLPE Insulation
Dolgu / Filler
PVC Dış Kılıf / PVC Sheath
Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 90 °C
Maximum short circuit temperature: 250 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Bina içi ve dışı elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda
En yüksek normal şartlarda sürekli çalışma sıcaklığı: 90 oC
En yüksek kısa devre akımında çalışma sıcaklığı: 250 oC
Standart: IEC 60502-1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	"Current Carrying Capacity / Akım Taşıma Kapasitesi "	
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülü Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	In Air / Havada	"Under Ground / Yer Altında "
No. * sqmm		mm	mm	mm	kg/km	Ω/km	A	A
5 conductors								
5x16	6	0,70	1,80	21,30	650	1,910	-	-
5x25	6	0,90	1,80	26,00	950	1,200	102	112
5x35	6	0,90	1,80	28,00	1150	0,868	126	135
5x50	6	1,00	2,00	32,50	1550	0,641	149	158
5x70	12	1,10	2,10	38,50	2150	0,443	191	196
5x95	15	1,10	2,30	43,00	2800	0,320	234	234
5x120	15	1,20	2,40	47,00	3450	0,253	273	268
5x150	15	1,40	2,60	53,00	4300	0,206	311	300
5x185	30	1,60	2,80	59,00	5350	0,164	360	342
5x240	30	1,70	3,10	66,00	6700	0,125	427	398

(N)A2XY-RM 5 CORE

Electrical and Mechanical Properties – Round Conductors



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2

XLPE İzole / XLPE Insulation
Dolgu / Filler
PVC Dış Kılıf / PVC Sheath

APPLICATION:

Indoor or outdoor installations, where there is no mechanical damage risk.
Maximum continuous normal operating temperature: 90 °C
Maximum short circuit temperature: 250 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

KULLANIM ALANI:

Bina içi ve dışı elektrik tesisatlarında, mekanik darbe riski olmayan uygulamalarda
En yüksek normal şartlarda sürekli çalışma sıcaklığı: 90 oC
En yüksek kısa devre akımında çalışma sıcaklığı: 250 oC
Standart: IEC 60502-1
Kablolar - Beyan Gerilimi 1 kV (Um=1,2 kV) olan kablolar

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C /	"Current Carrying Capacity / Akım Taşıma Kapasitesi"			
							In Air / Havada "Under Ground / Yer Altında"			
İletkenlerin sayısı ve anma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülme Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20 oC'de	Flat / Düz	Trefoil / Üçgen	Flat / Düz	Trefoil / Üçgen
No. * sqmm		mm	mm	mm	kg/km	Ω/km	A	A	A	A
1 conductor / 1 İletken										
1x25	6	0,90	1,2	10,10	145	1,200	136	106	177	114
1x35	6	0,90	1,2	11,10	175	0,868	166	130	212	136
1x50	6	1,00	1,2	12,40	220	0,641	205	161	252	162
1x70	12	1,10	1,2	14,40	300	0,443	260	204	310	199
1x95	15	1,10	1,3	16,20	380	0,320	321	252	372	238
1x120	15	1,20	1,3	17,80	480	0,253	376	295	425	272
1x150	15	1,40	1,3	19,60	580	0,206	431	339	476	305
1x185	30	1,60	1,4	22,00	725	0,164	501	395	541	347
1x240	30	1,70	1,4	24,50	900	0,125	600	472	631	404
1x300	30	1,80	1,5	27,00	1105	0,100	696	547	716	457
1x400	53	2,00	1,5	30,00	1450	0,0778	821	643	825	525
1x500	53	2,00	1,6	34,00	2050	0,0605	971	754	952	601
1x630	53	2,40	1,7	38,20	2400	0,0469	1151	882	1102	687

(N)A2XH, YAXH - RM 1 (SINGLE) CORE

Electrical and Mechanical Properties – Round Conductors



Çok Telli Alüminyum İletken / Aluminum Conductor Compacted Class 2
XLPE İzole / XLPE Insulation
HFFR Dış Kılıf / HFFR Sheath

TECNICAL DATA:

These cables are produced according to TS HD 604 S1 ve TS HD 627 S1.
Colour of outer sheath: Black
Maximum operating temperature : 90 °C
Maximum short circuit temperature : 250 °C
Test Standarts:
FR (Flame Retardant) Test: IEC 60332 -1-2 and IEC 60332 -3-24 Cat.C
LS (Low Smoke) Test: IEC 61034 -1/2
HF (Halogen Free) Test: IEC 60754 -1/2
Droplet Test: IEC 60332-1-3

TEKNİK BİLGİLER:

Bu kablolar TS HD 604 S1 ve TS HD 627 S1'e göre üretilmektedir.
Dış kılıf rengi: Siyah
en yüksek çalışma sıcaklığı: 90 °C
En yüksek kısa devre sıcaklığı : 250°C
Test Standartları:
FR (Alev Dayanıklılık) Testi: IEC 60332 -1-2 ve IEC 60332 -3-2 4 Cat.C
LS (Düşük Duman) Testi: IEC 61034 -1/2
HF (Halojenden Arındırılmış) Testi: IEC 60754 -1/2
Yanan Damlacık Testi: IEC 60332-1-3

No. X nominal area of the conductors	Min. no. of wires in phase conductor /	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter of Bundled (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	"Current Carrying Capacity / Akım Taşıma Kapasitesi"	
İletkenlerin sayısı ve alma kesit alanı	Faz İletkeni için En Düşük Tel Sayısı	Nominal İzole Kalınlığı	Nominal Dış Kılıf Kalınlığı	Kablo Bükülme Dış Çapı (Yaklaşık)	Kablo Birim Ağırlığı (Yaklaşık)	DC Elektrik Direnci 20°C'de	In Air / Havada	"Under Ground / Yer Altında"
No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductors								
3x25+16	6	0,90	1,30	23,10	660	1,200	102	112
3x35+16	6	0,90	1,40	25,00	800	0,868	126	135
3x50+25	6	1,00	1,50	28,40	1060	0,641	149	158
3x70+35	12	1,10	1,50	33,00	1475	0,443	191	196
3x95+50	15	1,10	1,60	37,00	1850	0,320	234	234
3x120+70	15	1,20	1,70	42,00	2400	0,253	273	268
3x150+70	15	1,40	1,70	45,20	2800	0,206	311	300
3x185+95	30	1,60	1,80	49,00	3500	2,164	360	342
3x240+120	30	1,70	2,00	54,00	4400	0,125	427	398
4 conductors								
4x16	6	0,70	1,30	20,00	500	1,910	-	-
4x25	6	0,90	1,40	24,00	740	1,200	102	112
4x35	6	0,90	1,40	26,50	900	0,868	126	135
4x50	6	1,00	1,50	30,00	1180	0,641	149	158
4x70	12	1,10	1,60	35,00	1640	0,443	191	196
4x95	15	1,10	1,70	39,00	2080	0,320	234	234
4x120	15	1,20	1,70	43,00	2650	0,253	273	268
4x150	15	1,40	1,80	50,00	3240	0,206	311	300
4x185	30	1,60	1,90	54,00	4000	0,164	360	342
4x240	30	1,70	2,00	58,00	5050	0,125	427	398

(N)A2XH, YAXH - RM 3+1, 4 CORE

Electrical and Mechanical Properties – Round Conductors



TECNICAL DATA:

These cables are produced according to TS HD 604 S1 ve TS HD 627 S1.

Colour of outer sheath: Black

Maximum operating temperature : 90 °C

Maximum short circuit temperature : 250 °C

Test Standards:

FR (Flame Retardant) Test: IEC 60332 -1-2 and IEC 60332 -3-24 Cat.C

LS (Low Smoke) Test: IEC 61034 -1/2

HF (Halogen Free) Test: IEC 60754 -1/2

Droplet Test: IEC 60332-1-3

TEKNİK BİLGİLER:

Bu kablolar TS HD 604 S1 ve TS HD 627 S1'e göre üretilmektedir.

Dış kılıf rengi: Siyah

en yüksek çalışma sıcaklığı: 90 °C

En yüksek kısa devre sıcaklığı : 250°C

Test Standartları:

FR (Alev Dayanıklılık) Testi: IEC 60332 -1-2 ve IEC 60332 -3-2 4 Cat.C

LS (Düşük Duman) Testi: IEC 61034 -1/2

HF (Halojenden Arındırılmış) Testi: IEC 60754 -1/2

Yanan Damlacık Testi: IEC 60332-1-3

Code Word	Size	Stranding	Section	Diameter	Unit Weight	Nominal Breaking Load	Electrical Resistance Ohm/km		Current Carrying Capacity
	AWG MCM						C.C. 20 °C	C.A. 75 °C	
PEACHBELL	6	7x1,55	13,21	4,65	36,6	2,50	1,170	2,65	110
ROSE	4	7x1,96	21,12	5,88	58,3	3,92	1,364	1,666	145
IRIS	2	7x2,47	33,54	7,41	92,7	6,01	0,857	1,049	195
PANSY	1	7x2,78	42,49	8,34	116,8	7,30	0,68	0,831	225
POPPY	1/0	7x3,12	53,52	9,36	147,5	8,86	0,539	0,659	260
ASTER	2/0	7x3,50	67,34	10,5	185,9	11,17	0,428	0,523	305
PHLOX	3/0	7x3,93	84,91	11,79	234,4	13,35	0,339	0,415	350
OXLIP	4/0	7x4,42	107,4	13,26	295,6	17,05	0,269	0,329	410
SNEEZEWORTH	250	7x4,80	127,6	14,4	349,3	20,12	0,227	0,278	455
VALERIAN	250	17x2,91	126,4	14,55	349,3	20,74	0,227	0,278	455
DAISY	266,8	7x4,96	135,3	14,88	327,8	21,50	0,213	0,261	475
LAUREL	266,8	19x3,01	135,2	15,05	327,8	22,12	0,213	0,261	475
PEONY	300	19x3,19	151,9	15,95	419,1	24,38	0,190	0,232	515
TULIP	336,4	19x3,38	170,5	16,9	470	27,37	0,169	0,208	555
DAFFODIL	350	19x3,45	177,6	17,25	489	28,45	0,163	0,200	565
CANNA	397,5	19x3,68	202,1	18,4	55,4	31,64	0,143	0,166	615
GOLDENTUFT	450	19x3,91	228,1	19,55	682,6	35,11	0,126	0,156	665
COSMOS	477	19x4,02	241,2	20,1	666,4	37,20	0,119	0,147	690
SYRINGA	477	37x2,95	241	20,16	666,4	38,67	0,119	0,147	690
ZINNIA	500	19x4,95	253,3	20,60	698,6	38,98	0,114	0,137	715
HYACINTH	500	37x2,95	252,9	20,65	698,6	40,54	0,114	0,137	715
DAHLIA	556,5	19x4,35	282,4	21,75	777,4	43,39	0,102	0,126	765
MISLETOE	556,5	37x3,11	281,1	21,77	774,4	44,25	0,102	0,126	765
MEADOWSWEET	600	37x3,23	303,2	22,61	838,1	47,62	0,095	0,012	800
ORCHID	636	37x3,33	322,2	23,31	888,4	50,73	0,089	0,111	835
HEUHERA	650	37x3,37	320	23,59	908,1	51,84	0,087	0,109	855
VERBANA	700	37x3,49	354	24,43	977,9	55,63	0,081	0,101	880
FLAG	700	61x2,72	354,5	24,48	977,9	57,1	0,081	0,098	900
VIOLET	715	37x3,53	362,1	24,71	999,6	56,96	0,080	0,098	900
NASTURTUM	715,5	61x2,75	24,75	24,71	999,6	58,3	0,795	0,098	900
PETUNNIA	750	37x3,62	380,8	25,34	1047,7	58,3	0,076	0,094	922

Code Word	Size	Stranding	Section	Diameter	Unit Weight	Nominal Breaking Load	Electrical Resistance Ohm/km		Current Carrying Capacity
	MCM						C.C. 20 °C	C.A. 75 °C	
CATTAIL	750	61X2,82	381	25,38	1047,7	60,08	0,076	0,094	922
ARBUTUIS	795	37X3,72	402,1	26,04	1110,6	61,86	0,072	0,089	960
LILAC	795	61X2,90	402,9	26,1	1110,6	63,65	0,072	0,089	960
FUCHSIA	800	37X3,75	408,7	26,25	1115,2	62,3	0,071	0,088	960
HELIOTROPE	800	61X2,92	408,7	26,28	1115,2	64,08	0,071	0,088	960
ANOMONE	874,5	37X3,91	444,3	27,37	1221,8	66,75	0,065	0,081	1,02
CROCUS	874,5	61X3,04	444,3	27,36	1221,8	70,31	0,065	0,081	1,02
COCKCOMB	900	37X3,96	455,7	27,72	1257,4	68,53	0,063	0,079	1,04
SNAPDRAGON	900	61X3,09	457,4	27,81	1257,4	70,76	0,063	0,079	1,04
MAGNOLIA	954	37X4,08	483,7	28,56	1331	72,6	0,060	0,075	1,08
GOLDENROD	954	61X3,18	484,5	28,62	1331	75	0,060	0,075	1,08
HAWKWEED	1000	37X4,17	505,3	29,19	1331	76,2	0,057	0,071	1,11
CAMELLA	1000	61X3,25	506	29,25	1397	78,77	0,057	0,071	1,11
BLUEBELL	1033,5	37X4,24	522,4	29,68	1443,8	78,77	0,055	0,069	1,35
LARKSPUR	1033,5	61X3,31	524,9	29,79	1443,8	81,45	0,055	0,069	1,35
MARIGOLD	1272	61X3,43	563,6	30,87	1555,2	87,67	0,051	0,064	1,19
HAWTHORN	1192,5	61X3,55	603,8	31,95	1665,3	93,9	0,048	0,060	1,24
NARCISSUS	1272	61X3,67	645,3	33,03	1776,9	97,9	0,045	0,057	1,29
COLUMBINE	1351,5	61X3,78	684,5	34,02	1888,5	104,13	0,042	0,054	1,34
CARNATION	1431	61X3,89	725	35,01	1998,6	108,14	0,398	0,051	1,39
GLADIOLUS	1510,5	61X4	766,5	36	2110,3	113,92	0,038	0,049	1,43
COREOPSIS	1590	61X4,10	805,4	36,9	2222	120,15	0,036	0,046	1,48
JESSANINE	1750	61X4,30	885,8	38,7	2445,1	132,17	0,036	0,043	1,565
COWSLIP	2000	91X3,76	1010,4	41,36	2793,3	152,19	0,028	0,038	1,695
SAGEBRUSH	2250	91X3,99	1137,8	43,89	3174,3	167,77	0,028	0,034	1,81
PIGWEEED	2300	61X4,93	1164,4	44,37	3239,8	173,56	0,025	0,034	1,83
LUPINE	2500	91X4,21	1266,8	46,31	3527	186,46	0,023	0,032	1,92
BITTERROOT	2750	91X4,41	1390	48,51	3879,8	205,15	0,021	0,029	2,02
TRILLIUM	3000	127X3,90	1517	50,7	4232,4	223,84	0,019	0,028	2,12
BLUEBONNET	2500	127X4,22	1776,3	54,86	4985,4	261,22	0,017	0,025	2,295

Code	New Code	Section mm ²	Composition		Diameter mm	Rated Strength kN	Electrical Resistance Ω/km	Cable Weight Kg/km	Current Carrying Capacity 1(A)
			N ^o	Ømm					
16	16-AL1	15,89	7	1,7	5,1	2,84	1,802	44	110
25	24-AL1	24,25	7	2,1	6,3	4,17	1,181	67	145
35	34-AL1	34,46	7	2,5	7,5	5,74	0,833	94	180
50	49-AL1	49,48	7	3	9	7,95	0,579	135	225
50	48-AL1	48,36	19	1,8	9	8,44	0,575	133	225
70	66-AL1	65,82	19	2,1	10,5	11,25	0,437	181	270
95	93-AL1	93,27	19	2,5	12,5	15,65	0,309	256	340
120	117-AL1	117	19	2,8	14	18,75	0,246	322	390
150	147-AL1	147,1	37	2,25	15,7	25,25	0,196	406	455
185	182-AL1	181,6	37	2,5	17,5	30,45	0,159	501	520
240	243-AL1	242,5	61	2,25	20,2	39,35	0,119	670	625
300	299-AL1	299,4	61	2,5	22,5	47,55	0,097	827	710
400	400-AL1	400,1	61	2,89	26	60,7	0,072	1,105	855
500	600-AL1	499,8	61	3,3	29,1	74,5	0,058	1,381	990
625	626-AL1	626,3	91	2,96	32,6	95	0,046	1,733	1,14
800	802-AL1	802,1	91	3,35	36,8	118,2	0,036	2,219	1,34
1000	1000-AL1	999,7	91	3,74	41,1	145,5	0,029	2,766	1,54

Code	Old Code	Area mm ²	No. Of wires	Diameter		Mass per unit length kg/km	Rated strenght kN	DC Resistance Ω/km
				Wire mm	Cond. mm			
Midge	23-AL1	23,3	7	2,06	6,18	63,8	4,20	1,224 9
Gnat	27 AL1	26,9	7	2,21	6,63	73,4	4,83	1,064 3
Mosquito	37 AL1	36,9	7	2,59	7,77	100,8	6,27	0,774 9
Ladybird	43 AL1	42,8	7	2,79	8,37	117,0	7,28	0,667 8
Ant	53 AL1	52,8	7	3,10	9,30	144,4	8,72	0,540 9
Fly	64 AL1	63,6	7	3,40	10,20	173,7	10,49	0,449 7
Bluebottle	74 AL1	73,6	7	3,66	11,00	201,3	11,78	0,388 0
Earwig	79 AL1	78,6	7	3,78	11,30	214,7	12,57	0,363 8
Grasshopper	84 AL1	84,1	7	3,91	11,70	229,7	13,45	0,340 0
Clegg	96 AL1	95,6	7	4,17	12,50	261,3	15,30	0,298 9
Wasp	106 AL1	106,0	7	4,39	13,20	289,6	16,95	0,269 7
Beetle	106 AL1	106,4	19	2,67	13,40	292,4	18,08	0,270 1
Bee	132 AL1	132,0	7	4,90	14,70	360,8	21,12	0,216 5
Hornet	158 AL1	157,6	19	3,25	16,30	433,2	26,01	0,182 3
Caterpillar	186 AL1	185,9	19	3,53	17,70	511,1	29,75	0,154 6
Chafer	213 AL1	213,2	19	3,78	18,90	586,0	34,12	0,134 8
Spider	238 AL1	237,6	19	3,99	20,00	652,9	38,01	0,121 0
Cockroach	266 AL1	265,7	19	4,22	21,10	730,4	42,52	0,108 1
	323 AL1	322,7	19	4,65	23,30	886,8	51,63	0,089 1
Moth	373 AL1	373,1	19	5,00	25,00	1025,3	59,69	0,077 0
Drone	372 AL1	372,4	37	3,58	25,10	1027,1	59,59	0,077 4
Centipede	415 AL1	415,2	37	3,78	26,50	1145,1	66,43	0,069 5
Maybug	486 AL1	486,1	37	4,09	28,60	1340,6	77,78	0,059 3
Scorpion	530 AL1	529,8	37	4,27	29,90	1461,2	84,77	0,054 4
Cicada	628 AL1	628,3	37	4,65	32,60	1732,9	100,54	0,045 9



Code Word	Denomination	Stranding Nº x Ømm		Sección Section mm²		Diametro Diameter		Peso Unit Weight kg / km		Nominal Breaking Load kN	Electrical Resistance Ohm/km			Current Carrying Capacity	
		Aluminum	Steel	Total	Aluminum	Total	Steel Core	Total	Aluminum		Steel	C.C. 20°C	C.A. 25°C		C.A. 75°C
TURKEY	6	6X1,68	1X1,68	15,52	13,3	5,04	1,68	53,8	36,5	17,3	5,295	2,114	2,15	2,685	110
SWAN	4	6X2,12	1X2,12	24,71	21,18	6,36	2,12	85,4	58	27,4	8,28	1,328	1,354	1,717	145
SWANATE	4	7X1,96	1X2,61	26,47	21,12	6,53	2,61	99,7	58	41,7	10,5	1,131	1,339	1,738	145
SPARROW	2	6X2,67	1X2,67	39,2	33,6	8,01	2,67	135,9	92,3	43,6	12,68	0,834	0,853	1,108	195
SPARATE	2	7X2,47	1X3,30	42,09	33,54	5,24	3,3	158,8	92,3	66,51	6,2	0,825	0,844	1,118	195
ROBIN	1	6X3,00	1X3,00	49,48	42,41	9	3	171,4	116,4	55	15,8	0,662	0,677	0,891	200
RAVEN	1/0	6X3,37	1X3,37	62,44	53,52	10,11	3,37	216,1	146,7	69,4	19,49	0,524		0,717	255
QUAIL	2/0	6X3,78	1X3,78	78,55	67,33	11,34	3,78	272,5	185	87,5	23,63	0,416	0,427	0,580	295
PIGEON	3/0	6X4,25	1X4,25	99,31	85,12	12,75	4,25	343,5	233,2	110,3	29,46	0,330	0,339	0,471	340
PENGUIN	4/0	6X4,77	1X4,77	125,09	107,22	14,31	4,77	433,2	294,2	139	37,16	0,261	0,270	0,383	390
WAXWING	266,8	18X3,09	1X3,09	142,5	135	15,45	3,09	431,6	372,9	58,7	30,62	0,212	0,217	0,260	480
PARTRIDGE	266,8	26X2,57	7X2,00	156,9	134,9	16,28	6	546,1	374,3	171,8	50,28	0,21	0,217	0,257	490
ORSTRICH	300	26X2,73	7X2,12	176,9	152,2	17,28	6,36	614,6	421,3	193,3	56,52	0,187	0,191	0,228	530
MERLIN	336,4	18X3,47	1X3,47	179,7	170,2	17,35	3,47	543,2	469,7	73,5	38,36	0,168	0,172	0,206	560
LINNET	336,4	26X2,89	7X2,25	198,4	170,6	18,31	6,75	689,0	472,2	216,8	62,75	0,166	0,167	0,204	570
ORIOLE	336,4	30X2,69	7X2,69	210,3	170,5	18,83	8,07	784,3	473,2	311,1	76,98	0,165	0,169	0,202	575
CHICKADEE	397,5	18X3,77	1X3,77	212,1	200,9	18,85	3,77	642,9	555,5	87,4	44,23	0,122	0,146	0,174	620
BRANT	397,5	24X3,27	7X2,18	227,7	201,6	19,62	6,54	762,0	558,1	203,9	64,97	0,142	0,145	0,173	630
IBIS	397,5	26X3,14	7X2,44	234	201,3	19,88	7,32	8.140,0	558,2	255,8	72,53	0,141	0,144	0,173	635
LARK	397,5	30X2,92	7X2,92	247,8	200,9	20,44	8,76	927,1	555,1	372	90,3	0,140	0,143	0,172	645
PALICAN	477	18X4,14	1X4,14	255,8	242,3	20,7	4,14	770,9	666,4	104,5	52,51	0,118	0,122	0,145	700
FLICKER	477	26X3,58	7X2,39	278	241,6	21,19	7,17	915,2	670,1	245,1	76,54	0,118	0,121	0,144	710
HAWK	477	26X3,44	7X2,67	280,8	241,6	21,77	8,01	977,7	669,7	308	86,77	0,117	0,120	0,144	715
HEN	477	30X3,20	7X3,20	297,6	241,3	22,4	9,6	1.111,7	671	440,7	105,91	0,117	0,119	0,143	725
OSPREY	556,5	18X4,47	1X4,47	298,2	282,5	22,35	4,47	898,9	777	121,9	60,96	0,101	0,104	0,125	775
PARAKEET	556,5	24X3,87	7X2,58	318,9	282,3	23,22	7,74	1.067,0	781,6	285,4	88,11	0,101	0,104	0,124	785
DOVE	556,5	26X3,72	7X2,89	328,5	282,6	23,55	6,67	1.140,0	781,3	358,7	105,57	0,101	0,103	0,124	790
EAGLE	556,5	27X3,30	7X3,46	347,9	282,1	24,27	1,38	1.297,7	983,2	514,5	123,71	0,100	0,103	0,123	800
PEACOCK	605	24X4,03	7X2,69	345,9	306,1	24,19	8,07	1.160,8	849,8	311	96,12	0,093	0,095	0,114	830
SQUAB	605	26X3,87	7X3,01	355,6	305,8	24,51	9,03	1.239,7	849,8	389,9	108,13	0,093	0,095	0,114	835
WOODUCK	605	30X3,61	7X3,61	378,8	307,1	25,27	10,83	1.410,8	851,2	559,6	128,6	0,032	0,094	0,113	845
TEAL	605	30X3,61	19X2,16	376,1	307,1	25,24	10,8	1.398,9	851,5	547,4	135,5	0,092	0,094	0,113	845
KINGBIRD	636	18X4,78	1X4,78	340,9	323	23,9	4,78	1.026,9	887,4	139,5	69,86	0,089	0,092	0,109	840
ROOK	636	24X4,14	7X2,76	365	323,1	24,84	8,28	1.281,8	892,9	388,9	97,6	0,088	0,091	0,108	855
GROSBEAK	636	26X3,97	7X3,09	321,8	25,15	9,27	1302,2	892,9	893	409,6	1302,2	112,14	0,088	0,108	860
SCOTER	636	30X3,70	7X3,70	397,9	322,6	25,9	11,1	1.477,8	891,4	586,4	135,27	0,088	0,090	0,108	870
EGRET	636	30X3,70	19X2,22	396,1	322,6	25,9	11,1	1.470,3	895	575,3	140,17	0,088	0,899	0,108	870
SWIFT	636	36X3,38	1X3,38	332	323	23,66	3,58	958,4	888,4	70	61,41	0,089		0,109	845
FLAMINGO	666,6	24X4,23	7X2,82	381	337,3	25,38	8,46	1.276,9	935,2	341,7	105,46	0,084	0,856	0,104	880
GANNET	666,6	26X4,07	7X3,16	393,2	338,3	25,76	9,48	1.364,7	936,1	428,6	117,48	0,084	0,085	0,103	885
STILT	715,5	24X4,39	7X2,92	410,2	363,3	26,32	8,76	1.372,1	1.004,5	367,6	113,47	0,078	0,081	0,097	920
STARLING	715,5	26X4,21	7X3,28	421	361,9	26,68	9,84	1.465,9	1.004,5	461,4	126,37	0,078	0,080	0,096	930
REDWING	715,5	30X3,92	19X2,35	444,5	362,1	27,43	11,75	1.653,4	1.007,1	646,3	153,96	0,078	0,080	0,096	930

Code Word	Denomination	Stranding Nº x Ømm		Section mm²		Diameter mm		Peso Unit Weight kg / km			Nominal Breaking Load kN	Electrical Resistance Ohm/km			Current Carrying Capacity
		Aluminum	Steel	Total	Aluminum	Total	Steel Core	Total	Aluminum	Acero Steel		C.C. 20°C	C.A. 25°C	C.A. 75°C	
CUCKOO	795,0	24X4,62	7X3,08	454,5	402,3	27,72	9,24	1.522,4	1.115,2	407,2	124,15	0,071	0,073	0,087	985
DRAKE	795,0	26X4,44	7X3,45	468	402,6	28,11	10,35	1.628,1	1.115,8	512,3	140,17	0,071	0,073	0,087	995
COOT	795,0	36X3,77	1X3,77	413,1	401,9	26,39	3,77	1.198,0	1.110,2	87,8	74,76	0,072	0,074	0,088	975
TERN	795,0	45X3,38	7X2,25	431,6	403,8	27,03	6,75	1.333,4	1.116,1	217,3	98,34	0,071	0,074	0,088	970
CONDOR	795,0	54X3,08	7X3,08	454,5	402,3	27,72	9,24	1.513,9	1.116,1	407,8	125,48	0,071	0,073	0,087	975
MALLARD	795,0	30x4,14	19x2,48	495,6	403,8	28,96	12,4	1.837,9	1.118,7	719,2	170,87	0,070	0,072	0,086	1.005
RUDDY	900,0	45X3,59	7X2,40	487,2	455,5	28,74	7,2	1.510,5	1.263,5	247	108,58	0,062	0,065	0,077	1.050
CANARY	900,0	54X3,28	7X3,38	515,4	456,3	29,52	9,84	1.724,8	1.263,5	461,3	141,95	0,062	0,065	0,077	1.055
CATBIRD	954,0	36X4,14	1X4,14	498,1	484,6	28,98	4,14	1.437,6	1.333,4	104,2	88,11	0,060	0,062	0,074	1.095
RAIL	954,0	45X3,70	7X2,47	517,3	483,8	29,61	7,41	1.599,8	1.333,4	260,4	115,25	0,059	0,062	0,074	1.090
CARDINAL	954,0	54X3,38	7X3,38	547,3	484,5	30,42	10,14	1.829,0	1.339,8	489,2	150,4	0,059	0,061	0,073	1.095
TANAGER	1.033,5	36X4,30	1X4,30	537,3	522,8	30,1	4,3	1.556,6	1.433,5	113,1	95,23	0,056	0,059	0,069	1.130
ORTOLAN	1.033,5	45X3,85	7X2,57	560,2	523,9	30,81	7,71	1.733,7	1.451,0	282,7	123,26	0,055	0,057	0,068	1.150
CURLEW	1.033,5	54X3,52	7X3,52	593,6	525,5	31,68	10,56	1.980,8	1.451,0	529	162,86	0,054	0,057	0,068	1.150
BLUEJAY	1.113,0	45X4,00	7X2,66	604,4	565,5	31,98	7,98	1.687,7	1.562,6	305,1	132,6	0,051	0,053	0,064	1.205
FINCH	1.113,0	54.365	19X2,19	636,6	565,0	32,85	10,95	2.129,6	1.570,0	559,6	174	0,051	0,053	0,063	1.205
BUNTING	1.192,5	45X4,14	7X2,76	647,7	605,8	33,12	8,28	2.000,1	1.674,2	325,9	142,4	0,048	0,050	0,059	1.255
CRACKLE	1.192,5	54X3,77	19X2,27	679,7	602,8	33,97	11,35	2.281,4	1.681,7	599,8	186,45	0,047	0,050	0,059	1.260
SKYLARK	1.272,0	36X4,78	1x4,78	664	646,0	33,46	4,78	1.916,8	1.776,9	139,9	117,48	0,045	0,048	0,056	1.310
BITTERN	1.272,0	45X4,27	7X2,85	489,1	644,4	34,17	8,55	2.134,1	1.785,8	384,3	151,74	0,045	0,047	0,056	1.310
PHEASANT	1.272,0	54X3,90	19X2,34	726,8	645,1	35,1	11,7	2.433,2	1.794,2	639	194	0,044	0,047	0,055	1.310
DIPPERF	1.351,5	45X4,40	7X2,93	731,4	684,2	35,19	8,79	2.266,5	1.898,5	368	161,08	0,042	0,045	0,053	1.360
MARTIN	1.351,5	54X4,02	19X2,41	772,1	685,4	36,17	12,05	2.585	1.906,4	678,6	206,03	0,042	0,044	0,052	1.365
BOBOLINK	1.431,0	45X4,53	7X3,02	775,4	725,3	36,24	9,06	2.400,4	2.009,1	391,3	170,43	0,040	0,043	0,005	1.410
PLOVER	1.431,0	54X4,14	19X2,48	818,7	726,9	37,24	12,4	2.738,3	2.019,0	719,3	218,48	0,039	0,042	0,050	1.415
NUTHATCH	1.510,5	45X4,65	7X3,10	817	764,2	37,2	9,3	2.532,9	2.120,7	412,2	178,44	0,037	0,040	0,048	1.455
PARROT	1.510,5	54X4,25	19X2,55	863,1	766,1	38,25	12,75	2.890,1	2.131,1	759	230,05	0,037	0,040	0,047	1.460
LAPWING	1.590,0	45X4,78	7X3,18	863,1	807,5	38,22	9,54	2.666,8	2.232,3	434,5	187,78	0,036	0,039	0,046	1.505
FALCON	1.590,0	54X4,36	19X2,62	908,6	806,2	39,26	13,1	3.041,9	2.242,7	799,2	242,51	0,035	0,038	0,045	1.510
CHUKAR	1.780,0	84X3,70	19X2,22	976,7	903,2	42,7	11,1	3.086,5	2.510,6	575,9	226,94	0,032	0,035	0,041	1.620
BLUEBIRD	2.156,0	84X4,07	19X2,44	1.181,6	1.092,8	44,76	12,2	3.737,8	3.040,4	697,4	268,32	0,026	0,030	0,034	1.815
KIWI	2.167,0	72X4,41	7X2,94	1.147,3	1.099,8	44,1	8,82	3.427,3	3.056,7	370,6	221,6	0,026	0,030	0,035	1.795
THRASHER	2.312,8	76X4,43	19X2,07	1.235,3	1.711,4	45,79	1.035	3.760,7	3.262,1	498,6	252,3	0,025	0,028	0,033	1.875
GROUSE	80	8X2,54	1X4,24	54,7	40,54	9,32	4,24	221,7	111,8	109,9	23.140	0,680	0,696	0,963	200
PETREL	101,8	12X2,34	7X2,34	81,71	51,61	11,7	7,02	378,1	142,9	235,2	42.280	0,522	0,529		250
MINORCA	110,8	12X2,44	7X2,44	88,84	56,11	12,2	7,32	411,6	155,5	256,1	50.280	0,479	0,498	0,742	265
LEGHORN	134,6	12X2,69	7X2,69	108	68,2	13,45	8,07	500	189	311	60.520	0,395	0,401	0,618	300
GUINEA	159	12X2,92	7X2,92	127,23	80,36	14,6	8,76	590,5	223,2	367,3	68.080	0,334	0,340	0,537	330
DOTTEREL	176,9	12X3,08	7X3,08	141,56	89,41	15,4	9,25	656,9	248,4	408,4	76.780	0,300	0,308	0,492	350
DORKING	190,8	12X3,20	7X3,20	152,81	96,51	16	9,6	708,8	267,9	440,9	83.210	0,278	0,284	0,462	370
BRAHMA	203,2	16X2,86	19X2,48	194,57	102,79	18,12	12,4	1.007,2	285,3	721,9	126.370	0,252	0,256	0,430	380
COCHIN	211,3	12X3,37	7X3,37	169,47	107,04	16,85	10,11	785	296,6	488,4	92.110	0,251	0,256	0,425	390

Code	New Code	Crossectinal Area			No Of Wires		Wire Diameter		Diameter		Mass per unit lenght	Rated Strength	DC resistance	Final modulus of elasticity	expansion	Current Carrying Capacity
		Al	Steel	Total			Al	Steel	Core	Cond.						
		mm ²	mm ²	mm ²	Al	Steel	mm	mm	mm	mm	kg/km	kN	Ω/km	N/mm ²	1/K	A
16/2,5	15-AL1/3-ST1 A	15,3	2,54	17,8	6	1	1,80	1,80	1,80	5,40	61,60	5,80	1,876 9	81,000	1,92E-5	105
25/4	24-AL1/4-ST1 A	23,9	3,98	27,8	6	1	2,25	2,25	2,25	6,75	96,30	8,95	1,201 2	81,000	1,92E-5	140
35/6	34-AL1/6-ST1 A	34,4	5,73	40,1	6	1	2,70	2,70	2,70	8,10	138,70	12,37	0,834 2	81,000	1,92E-5	170
44/32	44-AL1/32-ST1 A	44	31,7	75,6	14	7	2,00	2,40	2,40	11,20	369,30	44,24	0,657 4	110,000	1,50E-5	-
50/8	48-AL1/8-ST1 A	48,3	8,04	56,3	6	1	3,20	3,20	3,20	9,60	194,80	16,81	0,593 9	81,000	1,92E-5	210
50/30	51-AL1/30-ST1 A	51,2	29,8	81,0	12	7	2,33	2,33	6,99	11,70	374,70	42,98	0,564 4	107,000	1,53E-5	-
70/12	70-AL1/11-ST1 A	69,9	11,4	81,3	26	7	1,85	1,44	4,32	11,70	282,20	26,27	0,413 2	77,000	1,89E-5	290
95/15	94-AL1/15-ST1 A	94,4	15,3	109,7	26	7	2,15	1,67	5,01	13,60	380,60	34,93	0,306 0	77,000	1,89E-5	350
95/55	97-AL1/56-ST1 A	96,5	56,3	152,8	12	7	3,20	3,20	9,60	16,00	706,80	77,85	0,299 2	107,000	1,53E-5	-
105/75	106-AL1/76-ST1 A	105,7	75,5	181,2	14	19	3,10	2,25	11,30	17,50	885,30	105,82	0,274 2	110,000	1,50E-5	-
120/20	122-AL1/20-ST1 A	121,6	19,8	141,4	26	7	2,44	1,90	5,70	15,50	491,00	44,50	0,237 6	77,000	1,89E-5	410
120/70	122-AL1/71-ST1 A	122,1	71,3	193,4	12	7	3,60	3,60	10,80	18,00	894,50	97,92	0,236 4	107,000	1,53E-5	-
125/30	128-AL1/30-ST1 A	127,9	29,8	157,8	30	7	2,33	2,33	6,99	16,30	587,00	56,41	0,226 0	82,000	1,78E-5	425
150/25	149-AL1/24-ST1 A	148,9	24,2	173,1	26	7	2,70	2,10	6,30	17,10	600,80	53,67	0,194 0	77,000	1,89E-5	470
170/40	172-AL1/40-ST1 A	171,8	40,1	211,8	30	7	2,70	2,70	8,10	18,90	788,20	74,89	0,168 3	82,000	1,78E-5	520
185/30	184-AL1/30-ST1 A	183,8	29,8	213,6	26	7	3,00	2,33	6,99	19,00	741,00	65,27	0,157 1	77,000	1,89E-5	535
210/35	209-AL1/34-ST1 A	209,1	34,1	243,2	26	7	3,20	2,49	7,47	20,30	844,10	73,36	0,138 1	77,000	1,89E-5	590
210/50	212-AL1/49-ST1 A	212,1	49,5	261,5	30	7	3,00	3,00	9,00	21,00	973,10	92,46	0,136 3	82,000	1,78E-5	610
230/30	231-AL1/30-ST1 A	130,9	29,8	260,8	24	7	3,50	2,33	6,99	21,00	870,90	72,13	0,125 0	74,000	1,96E-5	630
240/40	243-AL1/39-ST1 A	243,1	39,5	282,5	26	7	3,45	2,68	8,04	21,80	980,10	85,12	0,118 8	77,000	1,89E-5	645
265/35	264-AL1/34-ST1 A	263,7	34,1	297,7	24	7	3,74	2,49	7,47	22,40	994,40	81,04	0,109 5	74,000	1,96E-5	680
300/50	304-AL1/49-ST1 A	304,3	49,5	353,7	26	7	3,86	3,00	9,00	24,40	1227,30	105,09	0,094 9	77,000	1,89E-5	740
305/40	305-AL1/39-ST1 A	304,6	39,5	344,1	54	7	2,68	2,68	8,04	24,10	1151,20	96,80	0,094 9	70,000	1,93E-5	740
340/30	339-AL1/30-ST1 A	339,3	29,8	369,1	48	7	3,00	2,33	6,99	25,00	1171,20	91,71	0,085 2	62,000	2,05E-5	790
380/50	382-AL1/49-ST1 A	381,7	49,5	431,2	54	7	3,00	3,00	9,00	27,00	1442,50	121,30	0,075 8	70,000	1,93E-5	840
385/35	386-AL1/34-ST1 A	386	34,1	420,1	48	7	3,20	2,49	7,47	26,70	1333,60	102,56	0,074 9	62,000	2,05E-5	850
435/55	434-AL1/56-ST1 A	434,3	56,3	490,6	54	7	3,20	3,20	9,60	28,00	1641,30	133,59	0,066 6	70,000	1,93E-5	900
450/40	449-AL1/39-ST1 A	448,7	39,5	488,2	48	7	3,45	2,68	8,04	28,70	1549,10	119,05	0,064 4	62,000	2,05E-5	920
490/65	490-AL1/64-ST1 A	490,3	63,6	553,8	54	7	3,40	3,40	10,20	30,60	1852,90	150,81	0,059 0	70,000	1,93E-5	960
495/35	494-AL1/34-ST1 A	494,4	34,1	528,4	45	7	3,74	2,49	7,47	29,90	1632,60	117,96	0,058 4	61,000	2,09E-5	985
510/45	511-AL1/45-ST1 A	515,1	45,3	558,8	48	7	3,68	2,87	8,61	30,70	1765,30	133,31	0,056 6	62,000	2,05E-5	995
550/70	550-AL1/71-ST1 A	549,7	71,3	620,9	54	7	3,60	3,60	10,80	32,40	2077,20	166,32	0,052 6	70,000	1,93E-5	1020
560/50	562-AL1/49-ST1 A	561,7	49,5	611,2	48	7	3,86	3,00	9,00	32,20	1939,50	146,28	0,051 5	62,000	2,05E-5	1040
570/40	571-AL1/39-ST1 A	571,2	39,5	610,6	45	7	4,02	2,68	8,04	32,20	1887,10	136,40	0,050 6	61,000	2,09E-5	1050
650/45	653-AL1/45-ST1 A	653,5	45,3	698,8	45	7	4,30	2,87	8,61	34,40	2159,90	156,18	0,044 2	61,000	2,09E-5	1120
680/85	679-AL1/86-ST1 A	678,6	86,0	764,5	54	19	4,00	2,40	12,00	36,00	2549,70	206,56	0,042 6	68,000	1,94E-5	1150
1045/45	1046-AL1/45-ST1 A	1045,6	45,3	1090,9	72	7	4,30	2,87	8,61	43,00	3248,20	218,92	0,027 7	60,000	2,17E-5	1580

Code	New Code	Crosssectional Area			No Of Wires		Wire Diameter		Diameter		Mass per unit lenght	Rated Strength	DC resistance
		Al	Steel	Total			Al	Steel	Core	Cond.			
		mm ²	mm ²	mm ²	Al	Steel	mm	mm	mm	mm	kg/km	kN	Ω/km
Mole	11-AL1/2 ST1 A	10,6	1,77	12,4	6	1	1,5	1,5	1,5	4,5	42,8	4,14	2,702 7
Squirrel	21-AL1/3 ST1 A	21	3,5	24,5	6	1	2,11	2,11	2,11	6,33	84,7	7,87	1,365 9
Gopher	26-AL1/4 ST1 A	26,2	4,37	30,6	6	1	2,36	2,36	2,36	7,08	106	9,58	1,091 9
Weasel	32-AL1/5 ST1 A	31,6	5,27	36,9	6	1	2,59	2,59	2,59	7,77	127,6	11,38	0,906 5
Fox	37-AL1/6 ST1 A	36,7	6,11	42,8	6	1	2,79	2,79	2,79	8,37	148,1	13,21	0,781 2
Ferret	42-AL1/7 ST1 A	42,4	7,07	49,5	6	1	3	3	3	9	171,2	15,27	0,675 7
Rabbit	53-AL1/9 ST1 A	52,9	8,81	61,7	6	1	3,35	3,35	3,35	10,1	213,5	18,42	0,541 9
Mink	63-AL1/11 ST1 A	63,1	10,5	73,6	6	1	3,66	3,66	3,66	11	254,9	21,67	0,454 0
Skunk	63-AL1/37 ST1 A	63,2	36,9	100,1	12	7	2,59	2,59	7,77	13	463	52,79	0,456 8
Beaver	75-AL1/13 ST1 A	75	12,5	87,5	6	1	3,99	3,99	3,99	12	302,9	25,76	0,382 0
Horse	73-AL1/43 ST1 A	73,4	42,8	116,2	12	7	2,79	2,79	8,37	14	537,3	61,26	0,393 6
Raccon	79-AL1/13 ST1 A	78,8	13,1	92	6	1	4,09	4,09	4,09	12,3	318,3	27,06	0,363 5
Otter	84-AL1/14 ST1 A	83,9	14	97,9	6	1	4,22	4,22	4,22	12,7	338,8	28,81	0,341 5
Cat	95-AL1/16 ST1 A	95,4	15,9	111,3	6	1	4,5	4,5	4,5	13,5	385,3	32,76	0,300 3
Hare	105-AL1/17 ST1 A	105	17,5	122,5	6	1	4,72	4,72	4,72	14,2	423,8	36,04	0,273 0
Dog	105-AL1/14 ST1 A	105	13,6	118,5	6	7	4,72	1,57	4,71	14,2	394	32,65	0,273 3
Coyote	132-AL1/20 ST1 A	131,7	20,1	151,8	26	7	2,54	1,91	5,73	15,9	520,7	45,86	0,219 2
Cougar	132-AL1/17 ST1 A	131,5	7,31	138,8	18	1	3,05	3,05	3,05	15,3	418,8	29,74	0,218 8
Tiger	131-AL1/31 ST1 A	131,2	30,6	161,9	30	7	2,36	2,36	7,08	16,5	602,2	57,87	0,220 2
Wolf	158-AL1/37 ST1 A	158,1	36,9	194,9	30	7	2,59	2,59	7,77	18,1	725,3	68,91	0,182 9
Dingo	159-AL1/9 ST1 A	158,7	8,81	167,5	18	1	3,35	3,35	3,35	16,8	505,2	35,87	0,181 4
Lynx	183-AL1/43 ST1 A	183,4	42,8	226,2	30	7	2,79	2,79	8,37	19,5	841,6	79,97	0,157 6
Caracal	184-AL1/10 ST1 A	184,2	10,2	194,5	18	1	3,61	3,61	3,61	18,1	586,7	40,74	0,156 2
Panther	212-AL1/49 ST1 A	212,1	49,5	261,5	30	7	3	3	9	21	973,1	92,46	0,136 3
Jaguar	211-AL1/12 ST1 A	210,6	11,7	222,3	18	1	3,86	3,86	3,86	19,3	670,8	46,57	0,136 6
Lion	238-AL1/56 ST1 A	238,3	55,6	293,9	30	7	3,18	3,18	9,54	22,3	1093,4	100,47	0,121 3
Bear	264-AL1/62 ST1 A	264,4	61,7	326,1	30	7	3,35	3,35	10,1	23,5	1213,4	111,5	0,109 3
Goat	324-AL1/76 ST1 A	324,3	75,7	400	30	7	3,71	3,71	11,1	26	1488,2	135,13	0,089 1
Sheep	375-AL1/88 ST1 A	375,1	87,5	462,6	30	7	3,99	3,99	12	27,9	1721,3	156,3	0,077 1
Antelope	374-AL1/48 ST1 A	374,1	48,5	422,6	54	7	2,97	2,97	8,91	26,7	1413,8	118,88	0,077 3
Bison	382-AL1/49 ST1 A	381,7	49,5	431,2	54	7	3	3	9	27	1442,5	121,3	0,075 8
Deer	430-AL1/100 ST1 A	429,6	100,2	529,8	30	7	4,27	4,27	12,8	29,9	1971,4	179	0,067 3
Zebra	429-AL1/56 ST1 A	428,9	55,6	484,5	54	7	3,18	3,18	9,54	28,6	1620,8	131,92	0,067 4
Elk	477-AL1/111 ST1 A	477,1	111,3	588,5	30	7	4,5	4,5	13,5	31,5	2189,5	198,8	0,060 6
Camel	476-AL1/62 ST1 A	476	61,7	537,7	54	7	3,35	3,35	10,1	30,2	1798,8	146,4	0,060 8
Moose	528-AL1/69-ST1 A	528,5	68,5	597	54	7	3,53	3,53	10,6	31,8	1997,3	159,92	0,054 7

ALUMINUM CONDUCTORS - ALUMINUM CLAD STEEL REINFORCED

Code Number	Cross Section			Wire Number & Diameter		Overall Diameter	Unit Weight			Rated Strength	Electrical Resistance at 20°C
	mm ²	mm ²	mm ²	Nº x mm	Nº x mm	mm	kg/km	kg/km	kg/km	kN	Ohm/km
	Aluminum	ACS	Total	Aluminum	ACS	Conductor	Aluminum	ACS	Conductor	Conductor	Conductor
LARL-30	26,7	4,4	31,1	6x2,38	1x2,38	7,14	73,2	29,3	102,5	10,2	1,0175
LARL-56	46,8	7,8	54,6	6x3,15	1x3,15	9,45	128,3	51,4	179,7	17,2	0,5808
LARL-78	67,4	11,2	78,6	6x3,78	1x3,78	11,34	185,0	74,0	259,0	23,0	0,4033
LARL-145	119,3	27,8	147,1	30x2,25	7x2,25	15,75	330,0	184,0	514,0	55,1	0,2244
LARL-180	147,3	34,3	181,6	20x2,50	7x2,50	17,50	407,0	227,0	634,0	66,3	0,1818
LARL-280	241,7	39,4	281,1	26x3,44	7x2,68	21,80	667,0	262,0	929,0	87,6	0,1131
LARL-380	337,3	43,7	381,0	54x2,82	7x2,82	25,38	932,0	290,0	1,222,0	109,6	0,0820
LARL-455	402,3	52,2	454,4	54x3,08	7x3,08	27,72	1,112,0	345,0	1,457,0	129,4	0,0688
LARL-516	483,4	33,4	516,8	45x3,70	7x2,47	29,61	1,339,0	221,0	1,560,0	117,4	0,0585
LARL-545	484,5	62,8	547,3	54x3,38	7x3,38	30,42	1,339,0	416,0	1,755,0	153,2	0,0571
LARL-635	565,0	71,6	636,6	54x3,65	19x2,19	32,85	1,562,0	475,0	2,037,0	177,5	0,490

Code Word	Cross Section mm ²		Stranding N° x mm	Overall Diameter mm	Unit Weight kg/km	Nominal Breaking Load kN	Electrical Resistance 20°C Ohm/km
	1350 Aluminum Equivalent	Aluminum Alloy	Alloy		Aleación Alloy		
ALTON	21,1	24,7	7 x 2,12	6,36	68	7,84	1,3576
AMES	33,6	39,3	7 x 2,67	8,02	108	12,4	0,8533
AZUSA	53,5	62,5	7 x 3,37	10,11	172	19	0,5364
ANAHEIM	67,4	78,7	7 x 3,78	11,35	217	24	0,4255
AMHERST	85,0	99,2	7 x 4,25	12,75	273	30,2	0,3379
ALLIANCE	107,2	125,1	7 x 4,77	14,31	345	38,1	0,2658
BUTTE	135,2	158,5	19 x 3,26	16,3	437	46,7	0,2114
CANTON	170,5	199,9	19 x 3,66	18,3	551	59	0,1675
CAIRO	201,4	235,8	19 x 3,98	19,88	650	69,6	0,1421
DARIEN	241,7	283,5	19 x 4,36	21,79	781	83,6	0,1181
ELGIN	282,0	330,6	19 x 4,71	23,54	911	97,5	0,1013
FLINT	322,3	375,4	37 x 3,59	25,16	1,035	108	0,0892
GREELEY	402,8	469,8	37 x 4,02	28,14	1,295	136	0,0712

Code Word	Cross Section mm²	Wire Number & Diameter	Overall Diameter mm	Unit Weight kg/km	Nominal Breaking Load kN	Electrical Resistance 20°C Ohm/km
	Aluminum Alloy	Alloy Nº x mm		Alloy		
2	33,6	7 x 2,47	7,41	93	10,7	0,9942
1/0	53,5	7 x 3,12	9,36	148	17	0,6256
2/0	67,4	7 x 3,50	10,5	186	20,5	0,4959
3/0	85	7 x 3,93	11,79	234	25,9	0,3936
4/0	107,2	7 x 4,42	13,26	296	32,7	0,3119
250	126,7	19 x 2,91	14,55	349	39	0,2642
300	152	19 x 3,19	15,95	419	46,8	0,2199
350	177,3	19 x 3,45	17,25	489	52,3	0,1887
400	202,7	19 x 3,69	18,45	559	59,8	0,165
450	228	19 x 3,91	19,55	629	67,3	0,1467
500	253,4	19 x 4,12	20,6	698	74,7	0,1321
550	278,7	37 x 3,10	21,7	768	83,9	0,1202
600	304	37 x 3,23	22,61	838	91,5	0,1102
650	329,4	37 x 3,37	23,59	908	95	0,1016
700	354,7	37 x 3,49	24,43	978	102	0,0944
750	380	37 x 3,62	25,34	1.049	110	0,088
800	405,4	37 x 3,73	26,11	1.117	117	0,0826
900	456	37 x 3,96	27,72	1.258	132	0,0733
1.000	506,7	37 x 4,18	29,26	1.399	146	0,066



EC GRADE AL 1370

AL %	Impurities % Max										Other Impurities %	
	Fe	Si	Cu	Zn	Ti	V	Mn	Cr	Mg	B	Each	Total
Min 99,7	0,20	0,10	0,02	0,04	0,006	0,003	0,01	0,01	0,02	0,005	0,005	0,01

Nominal Diameter mm	Deviation Range mm	Linear Mass kg/m
9,5	±0,5	0,191
12,0	±0,5	0,305
15,0	±0,5	0,477

Mechanical and Electric Characteristics

Code	Metallurgical delivery state	Mechanical Characteristics			Electric Characteristics temperature at 20°C	
		Rm Mpa		Usual Elongation A 100 %	Resistivity μ cm max	Conductivity % IACS min
		Min	Max			
EN AW 1370 (EAL 99,7)	H16	120	140	10	2,801	61,55
	H14	115	130	14	2,801	61,55
	H13	105	120	16	2,801	61,55
	H12	95	110	20	2,801	61,55
	H11	80	95	25	2,801	61,55

Aluminum Alloy Wire Rod 6201 Serie

Chemical Composition of Alloying Elements,%According to EN 573-3							Other Impurities	
	Fe	Cu	Mn	Mg	Cr	Zn	Each	Total
0,5	0,5	0,01	0,03	0,6	0,03	0,01	0,03	0,1
0,9				0,9				

Nominal Diameter mm	Deviation Range mm	Linear Mass kg/m
9,5	±0,5	0,191

Mechanical and Electric Characteristics

Alloy Denomination	Metallurgical delivery state	Mechanical Characteristics			Electric Characteristics temperature at 20°C
		Tensile Strength Mpa Min	Usual Elongation A 100 %	Resistivity μ cm Max	Conductivity % IACS Min
6201	Almg 0,7Si	160	21	3,55	49,74

ALUMINUM CONDUCTORS - ALUMINUM CLAD STEEL REINFORCED A1/SA1A

Code Number	Steel %	Cross Section			Wire Number & Diameter		Overall Diameter	Unit Weight	Rated Strength	Electrical Resistance at 20°C
		mm²	mm²	mm²	Nº x mm	Nº x mm	mm	kg/km	kN	Ohm/km
		Aluminum	SA1A	Conductor	Aluminum	SA1A	Conductor	Conductor	Conductor	Conductor
25	16,7	24	4,00	28,0	6x2,26	1x2,26	6,78	92,1	9,00	1,1471
40	16,7	38	6,40	44,8	6x2,85	1x2,85	8,55	147,4	14,21	0,7169
63	16,7	60	10,08	70,6	6x3,58	1x3,58	10,7	232,2	21,17	0,4552
100	16,7	96	16,00	112,0	6x4,51	1x4,51	13,5	368,6	31,84	0,2868
125	5,6	123	6,85	130	18x2,95	1x2,95	14,8	384,3	29,18	0,2304
160	5,6	158	8,77	167	18x3,34	1x3,34	16,7	491,9	36,38	0,1800
160	16,3	154	25,00	179	26x2,74	7x2,13	17,4	589,8	56,18	0,1803
200	5,6	197	10,96	208	18x3,74	1x3,74	18,7	614,9	43,62	0,1440
200	16,3	192	31,3	223	26x3,07	7x2,39	19,4	737,2	69,27	0,1443
250	9,8	244	24,0	268	22x3,76	7x2,09	21,3	830,9	67,80	0,1153
250	16,3	240	39,1	279	26x3,43	7x2,67	21,7	921,5	86,58	0,1154
315	6,9	310	21,4	331	45x2,96	7x1,97	23,7	996,4	78,33	0,0917
315	16,3	303	49,3	352	26x3,85	7x2,99	24,4	1161,1	107,58	0,0916
400	6,9	393	27,2	420	45x3,34	7x2,22	26,7	1265,3	97,50	0,0722
400	13,0	387	50,2	438	54x3,02	7x3,02	27,2	1402,9	124,20	0,0723
450	6,9	442	30,6	473	45x3,54	7x2,36	28,3	1423,4	107,48	0,0642
450	13,0	436	56,5	492	54x3,21	7x3,21	28,9	1578,2	139,72	0,0642
500	6,9	492	34,0	525	45x3,73	7x2,49	29,8	1581,6	119,42	0,0578
500	13,0	484	62,8	547	54x3,38	7x3,38	30,4	1753,6	153,99	0,0578
560	6,9	550	38,1	589	45x3,95	7x2,63	31,6	1771,4	133,75	0,0516
560	12,7	543	68,8	612	54x3,58	19x2,15	32,2	1956,3	169,36	0,0516
630	6,9	619	42,8	662	45x4,19	7x2,79	33,5	1992,8	150,07	0,0458
630	12,7	611	77,3	688	54x3,79	19x2,28	34,2	2200,9	190,52	0,0459
710	6,9	698	48,3	746	45x4,44	7x2,96	35,6	2245,8	169,57	0,0407
710	12,7	688	87,2	775	54x4,03	19x2,42	36,3	2480,3	214,72	0,0407
800	4,3	791	34,2	826	72x3,74	7x2,49	37,4	2412,8	167,67	0,0361
800	8,3	784	65,3	849	84x3,45	7x3,45	37,9	2598,9	206,37	0,0362
800	12,7	775	98,2	874	54x4,28	19x2,57	38,5	2794,7	241,94	0,0361
900	4,3	890	38,5	929	72x3,97	7x2,65	39,7	2714,4	188,63	0,0321
900	8,3	882	73,5	955	84x3,66	7x3,66	40,2	2923,8	224,82	0,0321
1000	4,3	989	42,7	1032	72x4,18	7x2,79	41,8	3016,0	209,59	0,0289
1120	8,1	1098	89,4	1187	84x4,08	19x2,45	44,9	3628,4	282,88	0,0258
1250	8,1	1225	99,8	1325	84x4,31	19x2,59	47,4	4049,5	315,72	0,0231

ALUMINUM CONDUCTORS - ALUMINUM CLAD STEEL REINFORCED

Code Number	Cross Section				Wire Number & Diameter		Overall Diameter	Unit Weight	Rated Strength	Electrical Resistance at 20°C
	Size	mm ²	mm ²	mm ²	N° x mm	N° x mm	mm	kg/km	kN	Ohm/km
	AWG - MCM	Aluminum	ACS	Conductor	Aluminum	ACS	Conductor	Conductor	Conductor	Conductor
SWAN	4,0	21,18	3,530	24,71	6x2,12	1x2,12	6,36	81,10	7,93	1,2822
SWANATE	4,0	21,12	5,350	26,47	7x1,96	1x2,61	6,53	93,30	10,10	1,2510
SPARROW	2,0	33,59	5,599	39,19	6x2,67	1x2,67	8,01	129,00	12,30	0,8084
SPARATE	2,0	33,54	8,553	42,09	7x2,47	1x3,30	8,24	149,00	15,60	0,7874
ROBIN	1,0	42,41	7,069	49,48	6x3,00	1x3,00	9,00	163,00	15,30	0,6403
RAVEN	1/0	53,52	8,920	62,44	6x3,37	1x3,37	10,11	205,00	18,90	0,5074
QUAIL	2/0	67,33	11,220	78,55	6x3,78	1x3,78	11,34	259,00	22,80	0,4033
PIGEON	3/0	85,12	14,190	99,3	6x4,25	1x4,25	12,75	326,00	28,00	0,3190
PENGUIN	4/0	107,22	17,870	125,1	6x4,77	1x4,77	14,31	411,00	34,20	0,2533
WAXWING	266,8	134,98	7,499	142,5	18x3,09	1x3,09	15,45	421,00	30,30	0,2096
PARTRIDGE	266,8	134,87	21,990	156,9	26x2,57	7x2,00	16,28	520,00	48,00	0,2035
OSTRICH	300,0	152,19	24,710	176,9	26x2,73	7x2,12	17,28	584,00	54,00	0,1804
MERLIN	336,4	170,22	9,457	179,7	18x3,47	1x3,47	17,35	532,00	38,00	0,1662
LINNET	336,4	170,55	27,830	198,4	26x2,89	7x2,25	18,31	654,00	60,00	0,1609
ORIOLE	336,4	170,50	39,780	210,3	30x2,69	7x2,69	18,83	736,00	74,50	0,1578
CHICKADEE	397,5	200,93	11,160	212,1	18x3,77	1x3,77	18,85	628,00	43,50	0,1408
BRANT	397,5	201,56	26,130	227,7	24x3,27	7x2,18	19,62	730,00	62,50	0,1377
IBIS	397,5	201,34	32,730	234,1	26x3,14	7x2,44	19,88	773,00	70,20	0,1363
LARK	397,5	200,90	46,880	247,8	30x2,92	7x2,92	20,44	869,00	87,34	0,1339
PELICAN	477,0	242,31	13,460	255,8	18x4,14	1x4,14	20,70	754,00	51,00	0,1168
FLICKER	477,0	241,58	31,400	273,0	24x3,58	7x2,39	21,49	876,00	74,30	0,1148
HAWK	477,0	241,65	39,190	280,8	26x3,44	7x2,67	21,77	928,00	84,30	0,1136
HEN	477,0	241,27	56,300	297,6	30x3,20	7x3,20	22,40	1,043,00	104,00	0,1115
OSPREY	556,5	282,47	15,690	298,2	18x4,47	1x4,47	22,35	879,00	58,90	0,1002
PARAKEET	556,5	282,31	36,600	318,9	24x3,87	7x2,58	23,22	1,022,00	85,70	0,0983
DOVE	556,5	282,59	45,920	328,5	26x3,72	7x2,89	23,55	1,084,00	97,50	0,0971
EAGLE	556,5	282,07	65,820	347,9	30x3,46	7x3,46	24,22	1,217,00	119,00	0,0953
PEACOCK	605,0	306,13	39,780	345,9	24x4,03	7x2,69	24,19	1,111,00	93,30	0,0906
SQUAB	605,0	305,83	49,810	355,6	26x3,87	7x3,01	24,51	1,178,00	105,00	0,0897
WOODDUCK	605,0	307,06	71,650	378,7	30x3,61	7x3,61	25,27	1,323,00	126,00	0,0876
TEAL	605,0	307,06	69,620	376,7	30x3,61	19x2,16	25,24	1,313,00	126,60	0,0878
KINGBIRD	636,0	323,01	17,950	341,0	18x4,78	1x4,78	23,90	1,005,00	66,80	0,0876
ROOK	636,0	323,07	41,880	365,0	24x4,14	7x2,76	24,84	1,168,00	98,00	0,0859
GROSBEAK	636,0	321,84	52,490	374,3	26x3,97	7x3,09	25,15	1,238,00	110,00	0,0853
SCOTER	636,0	322,56	75,260	397,8	30x3,70	7x3,70	25,90	1,391,00	130,00	0,0834
EGRET	636,0	322,56	73,540	396,1	30x3,70	19x2,22	25,90	1,381,00	133,00	0,0835
SWIFT	636,0	323,02	8,973	332,0	36x3,38	1x3,38	23,66	946,00	60,60	0,0884
FLAMINGO	666,6	337,27	43,720	381,0	24x4,23	7x2,82	25,38	1,224,00	103,00	0,0823
GANNET	666,6	338,26	54,900	393,2	26x4,07	7x3,16	25,76	1,298,00	116,00	0,0812
STILT	715,5	363,27	46,880	410,1	24x4,39	7x2,92	26,32	1,314,00	110,00	0,0764
STARLING	715,5	361,93	59,150	421,1	26x4,21	7x3,28	26,68	1,393,00	122,00	0,0758
REDWING	715,5	362,06	82,410	444,5	30x3,92	19x2,35	27,43	1,552,00	148,00	0,0744
TERN	795,0	403,77	27,830	431,6	45x3,38	7x2,25	27,03	1,298,00	95,40	0,0701
CONDOR	795,0	402,33	52,150	454,5	54x3,08	7x3,08	27,72	1,459,00	124,00	0,0690
CUCKOO	795,0	402,33	52,150	454,5	24x4,62	7x3,08	27,74	1,459,00	122,00	0,0690
DRAKE	795,0	402,56	65,440	468,0	26x4,44	7x3,45	28,11	1,549,00	136,00	0,0682
COOT	795,0	401,86	11,160	413,0	36x3,77	1x3,77	26,41	1,182,00	73,80	0,0710
MALLARD	795,0	403,84	91,780	495,6	30x4,14	19x2,48	28,96	1,726,00	165,00	0,0667
RUDDY	900,0	455,50	31,670	487,2	45x3,59	7x2,40	28,73	1,470,00	107,00	0,0621
CANARY	900,0	456,28	59,150	515,4	54x3,28	7x3,28	29,52	1,653,00	138,00	0,0608
RAIL	954,0	483,84	33,540	517,4	45x3,70	7x2,47	29,61	1,558,00	113,00	0,0585
CATBIRD	954,0	484,61	13,460	498,1	36x4,14	1x4,14	28,95	1,419,00	86,60	0,0589
CARDINAL	954,0	484,53	62,810	547,3	54x3,38	7x3,38	30,42	1,751,00	146,00	0,0572
ORTLAN	1,033,5	523,87	36,310	560,2	45x3,85	7x2,57	30,81	1,687,00	121,00	0,0540
TANAGER	1,033,5	522,79	14,520	537,3	36x4,30	1x4,30	30,12	1,537,00	93,70	0,0546
CURLEW	1,033,5	525,50	68,120	593,6	54x3,52	7x3,52	31,68	1,896,00	158,00	0,0528
BLUEJAY	1,113,0	565,49	38,900	604,4	45x4,00	7x2,66	31,98	1,819,00	121,00	0,0500
FINCH	1,113,0	565,03	71,570	636,6	54x3,65	19x2,19	32,85	2,043,00	167,00	0,0493

ALUMINUM CONDUCTORS - ALUMINUM CLAD STEEL REINFORCED

Code Number	Cross Section				Wire Number & Diameter		Overall Diameter	Unit Weight	Rated Strength	Electrical Resistance at 20°C
	Size	mm ²	mm ²	mm ²	Nº x mm	Nº x mm	mm	kg/km	kN	Ohm/km
	AWG - MCM	Aluminum	ACS	Conductor	Aluminum	ACS	Conductor	Conductor	Conductor	Conductor
BUNTING	1,192,5	605,76	41,880	647,6	45x4,14	7x2,76	33,12	1,948,00	139,00	0,0467
CRACKLE	1,192,5	602,79	76,890	679,7	54x3,77	19x2,27	33,97	2,187,00	179,00	0,0463
BITTERN	1,272,0	644,40	44,660	689,1	45x4,27	7x2,85	34,17	2,077,00	149,00	0,0439
PHEASANT	1,272,0	645,40	81,710	726,8	54x3,90	19x2,34	35,10	2,333,00	189,00	0,0432
SKYLARK	1,272,0	645,02	17,950	664,0	36x4,78	1x4,78	33,42	1,893,00	114,00	0,0442
DIPPER	1,351,5	684,24	46,880	731,1	45x4,40	7x2,92	35,16	2,207,00	158,00	0,0413
MARTIN	1,351,5	685,39	86,670	772,1	54x4,02	19x2,41	36,17	2,478,00	200,00	0,0407
BOBOLINK	1,431,0	725,27	50,14	775,4	45x4,53	7x3,02	36,24	2337,00	167,00	0,0390
PLOVER	1,431,0	726,92	91,78	818,7	54x4,14	19x2,48	37,24	2625,00	212,00	0,0384
NUTHACH	1,510,5	764,20	52,83	817,0	45x4,65	7x3,10	37,20	2467,00	176,00	0,0370
PARROT	1,510,5	766,06	97,03	863,1	54x4,25	19x2,55	38,25	2788,00	224,00	0,0364
LAPWING	1,590,0	804,15	55,60	859,7	45x4,77	7x3,18	38,16	2598,00	186,00	0,0352
FALCON	1,590,0	806,23	102,40	908,7	54x4,36	19x2,62	39,26	2917,00	236,00	0,0346
CHUKAR	1,780,0	903,20	73,50	976,7	84x3,70	19x2,22	42,70	2995,00	220,00	0,0314
BLUEBIRD	2,156,0	1,092,80	88,80	1,181,6	84x4,07	19x2,44	44,76	3626,00	262,00	0,0259
KIWI	2,167,0	1,099,80	47,50	1,147,3	72x4,41	7x2,94	44,10	3367,00	219,00	0,0261
THRASHER	2,312,0	1,171,40	63,90	1,235,3	76x4,43	19x2,07	45,79	3678,00	246,00	0,0244

HIGH MECHANICAL STRENGTH

GROUSE	80,0	40,52	14,30	54,82	8x2,54	1x4,24	9,32	205	21,70	0,6352
PETREL	101,8	51,61	30,06	81,67	12x2,34	7x2,24	11,71	342	44,10	0,4685
MINORCA	110,8	56,13	32,77	88,90	12x2,44	7x2,44	12,22	372	48,00	0,4306
LEGHORN	134,6	68,19	39,81	108,00	12x2,69	7x2,69	13,46	452	57,80	0,3544
GUINEA	159,0	80,58	46,97	127,60	12x2,92	7x2,92	14,63	534	68,00	0,3000
DOTTEREL	176,9	89,48	52,19	141,70	12x3,08	7x3,08	15,42	594	75,40	0,2701
DORKING	190,8	96,71	56,39	153,10	12x3,20	7x3,20	16,03	641	81,30	0,2500
BRAHMA	203,2	102,97	91,87	194,80	16x2,86	19x2,48	18,14	894	120,00	0,2160
COCHIN	211,8	107,10	62,45	169,60	12x3,37	7x3,37	16,84	709	88,00	0,2257

CONCENTRIC-LAY-STRANDED ALUMINUM CONDUCTORS,ALUMINUM CLAD STEEL REINFORCED (ACSR/AW) ASTM B 549

Conductor Size (Aluminum Wire)			Class	Aluminum Stranding		Aluminum-Clad Steel Stranding		kip(1000 lbf)	kN	Mass per Unit Length lb/1000 ft
Code Name	AWG	mm ²		Number of Wires	Nom.diameter in.	Number of Wires	Nom. diameter in.			
Trasher/AW	...	171.49	AA	76	0.1744	19	0.0814	55.3	246	2472
Kiwi/AW	...	1098.02	AA	72	0.0174	7	0.1157	49.1	218.4	2262
Bluebird/AW	...	1092.45	AA	84	0.1602	19	0.0961	59	262.4	2437
Chukar/AW	...	901.93	AA	84	0.1456	19	0.0874	49.4	219.7	2013
Falcon/AW	...	805.65	AA	54	0.1716	19	0.1030	53	235.7	1960
Lapwing/AW	...	805.65	AA	45	0.1880	7	0.1253	41.8	185.9	1746
Parrot/AW	...	765.37	AA	54	0.1672	19	0.1003	50.3	223.7	1860
Nuthatch/AW	...	765.37	AA	45	0.1832	7	0.1221	39.7	176.8	1658
Plover/AW	...	725.09	AA	54	0.1628	19	0.0977	47.7	212.2	1764
Bobolink/AW	...	725.09	AA	45	0.1783	7	0.1189	37.6	167.2	1570
Martin/AW	...	684.81	AA	54	0.1582	19	0.0949	45.1	200.6	1665
Dipper/AW	...	684.81	AA	45	0.1733	7	0.1155	35.5	157.9	1483
Pheasant/AW	...	644.52	AA	54	0.1535	19	0.0921	42.4	188.6	1568
Bittern/AW	...	644.52	AA	45	0.1681	7	0.1121	33.4	148.6	1396
Skylark/AW	...	644.52	AA	36	0.1880	1	0.1880	25.7	114.3	1272
Grackle/AW	...	604.24	AA	54	0.1486	19	0.0892	40.2	178.8	1470
Bunting/AW	...	604.24	AA	45	0.1628	7	0.1085	31.3	139.2	1309
Finch/AW	...	563.96	AA	54	0.1436	19	0.0862	37.5	166.8	1373
Bluejay/AW	...	563.96	AA	45	0.1573	7	0.1049	29.3	130.3	1222
Curlew/AW	...	523.67	AA	54	0.1383	7	0.1383	35.6	158.3	1274
Ortolan/AW	...	523.67	AA	45	0.1515	7	0.1010	27.1	120.5	1134
Tanager/AW	...	523.67	AA	36	0.1694	1	0.1694	21.1	93.9	1033
Cardinal/AW	...	483.39	AA	54	0.1329	7	0.1329	32.9	146.3	1177
Rail/AW	...	483.39	AA	45	0.1456	7	0.0971	25.4	113	1047
Catbird/AW	...	483.39	AA	36	0.1628	1	0.1628	19.5	86.7	954
Canary/AW	...	456.03	AA	54	0.1291	7	0.1291	31	137.9	1111
Ruddy/AW	...	456.03	AA	45	0.1414	7	0.0943	24	106.8	988
Mallary/AW	...	402.83	AA	30	0.1628	19	0.0977	37.1	165	1160
Condor/AW	...	402.83	AA	54	0.1213	7	0.1213	27.8	123.7	980
Tern/AW	...	402.83	AA	45	0.1329	7	0.0886	21.5	95.6	872
Drake/AW	...	402.83	AA	26	0.1749	7	0.1360	30.5	135.7	1041
Cuckoo/AW	...	402.83	AA	24	0.1820	7	0.1213	27.5	122.3	981
Coot/AW	...	402.83	AA	36	0.1486	1	0.1486	16.6	73.8	795
Redwing/AW	...	362.54	AA	30	0.1544	19	0.0926	33.4	148.6	1043
Starling/AW	...	362.54	AA	26	0.1659	7	0.1290	27.5	122.3	936
Stilt/AW	...	362.54	AA	24	0.1727	7	0.1151	24.8	110.3	883
Gannet/AW	...	337.77	AA	26	0.1601	7	0.1245	26	115.6	872
Flamingo/AW	...	337.77	AA	24	0.1667	7	0.1111	23.1	102.7	823
Egret/AW	...	322.26	AA	30	0.1456	19	0.0874	29.9	133	928
Sooter/AW	...	322.26	AA	30	0.1456	7	0.1456	29.3	130.3	935
Grosbeak/AW	...	322.26	AA	26	0.1564	7	0.1216	24.8	110.3	832
Rook/AW	...	322.26	AA	24	0.1628	7	0.1085	22	97.9	785
Swift/AW	...	322.26	AA	36	0.1329	1	0.1329	13.6	60.5	636
Kingbird/AW	...	322.26	AA	18	0.1880	1	0.1880	15	66.7	676
Teal/AW	...	306.55	AA	30	0.1420	19	0.0852	28.5	126.8	883
Wood Duck/AW	...	306.55	AA	30	0.1420	7	0.1420	28.4	126.3	889
Squab/AW	...	306.55	AA	26	0.1525	7	0.1186	23.6	105	791
Peacock/AW	...	306.55	AA	24	0.1588	7	0.1059	21	93.4	747
Eagle/AW	...	281.98	AA	30	0.1362	7	0.1362	26.8	119.2	818
Dove/AW	...	281.98	AA	26	0.1463	7	0.1138	21.9	97.4	728
Parakeet/AW	...	281.98	AA	24	0.1523	7	0.1015	19.3	85.8	687
Osprey/AW	...	281.98	AA	18	0.1758	1	0.1758	13.2	58.7	591
Hen/AW	...	241.70	AA	30	0.1261	7	0.1261	23.4	701	1043
Hawk/AW	...	241.70	AA	26	0.1354	7	0.1053	18.9	624	929
Flicker/AW	...	241.70	AA	24	0.1410	7	0.0940	16.7	589	877
Pelican/AW	...	241.70	AA	18	0.1628	1	0.1628	11.5	407	755
Lark/AW	...	201.41	AA	30	0.1151	7	0.1151	19.6	87.2	584
Ibis/AW	...	201.41	AA	26	0.1236	7	0.0961	15.8	70.3	520
Brant/AW	...	201.41	AA	24	0.1287	7	0.0858	14.1	62.7	491
Chickadee/AW	...	201.41	AA	18	0.1486	1	0.1486	9.8	43.5	422

CONCENRIC-LAY-STRANDED ALUMINUM CONDUCTORS,ALUMINUM CLAD STEEL REINFORCED (ACSR/AW) ASTM B 549

Conductor Size (Aluminum Wire)			Class	Aluminum Stranding		Aluminum-Clad Steel Stranding		kip(1000 lb)	kN	Mass per Unit Length lb/1000 ft
Code Name	AWG	mm ²		Number of Wires	Nom.diameter in.	Number of Wires	Nom. diameter in.			
Oriole/AW	...	170.45	AA	30	0.1059	7	0.1059	16.7	495	737
Linnet/AW	...	170.45	AA	26	0.1137	7	0.0884	13.5	440	655
Merlin/AW	...	170.45	AA	18	0.1367	1	0.1367	8.5	357	531
Ostrich/AW	...	152.01	AA	26	0.1074	7	0.0835	12.1	392	583
Partridge/AW	...	152.01	AA	26	0.1013	7	0.0788	10.8	349	519
Waxwing/AW	...	152.01	AA	18	0.1217	1	0.1217	6.8	283	421
Penguin/AW	0000	107.22	AA,A	6	0.1878	1	0.1878	7.7	34.2	277
	0000	107.07	AA(+)	12	0.1327	7	0.1327	19.8	88.1	477
	0000	102.96	AA(+)	16	0.1127	19	0.0977	27.1	120.5	601
	0000	96.68	AA(+)	12	0.1261	7	0.1261	18.3	81.4	431
	0000	89.64	AA(+)	12	0.1214	7	0.1214	16.9	75.2	399
Piegon/AW	000	85.02	AA,A	6	0.1672	1	0.1672	6.3	28	219
	000	80.57	AA(+)	12	0.1151	7	0.1151	15.3	68.1	359
	000	77.27	AA(+)	5	0.1747	2	0.1747	9.7	43	281
	000	71.60	AA(+)	4	0.1880	3	0.1880	14.2	63.2	373
	000	68.20	AA(+)	12	0.1059	7	0.1059	13	57.8	304
Quail/AW	00	67.44	AA,A	6	0.1489	1	0.1489	5.1	22.8	174
	00	61.31	AA(+)	5	0.1556	2	0.1556	8	35.7	223
	00	56.80	AA(+)	4	0.1674	3	0.1674	11.9	52.9	296
	00	56.14	AA(+)	12	0.0961	7	0.0961	10.8	48	250
Raven/AW	0	53.51	AA,A	6	0.1327	1	0.1327	4.3	18.9	138
	0	51.58	AA(+)	12	0.0921	7	0.0921	9.9	44.1	230
	0	50.58	AA(+)	3	0.1824	4	0.1824	16.4	72.9	395
	0	48.60	AA(+)	5	0.1385	2	0.1385	6.6	29.3	177
	0	45.02	AA(+)	4	0.1429	3	0.1490	9.7	43.1	234
Robin/AW	1	42.41	AA,A	6	0.1181	1	0.1181	3.5	15.3	109
	1	40.54	AA(+)	8	0.1000	1	0.1670	4.9	21.8	138
	1	40.10	AA(+)	3	0.1624	4	0.1624	13.8	61.4	313
	1	38.55	AA(+)	5	0.1234	2	0.1234	5.5	24.2	140
	1	35.71	AA(+)	4	0.1327	3	0.1327	8.1	36	186
Separate/AW	2	33.62	AA,A	7	0.0974	1	0.1299	3.5	15.6	100
Sparrow/AW	2	33.62	AA,A	6	0.1052	1	0.1052	2.8	12.3	8608
	2	32.89	AA(+)	2	0.1802	5	0.1802	19.5	86.7	430
	2	31.81	AA(+)	3	0.1446	4	0.1446	11.2	49.8	248
	2	30.57	AA(+)	5	1.1099	2	0.1099	4.4	19.4	111
	2		AA(+)	4	0.1182	3	0.1182	6.6	29.4	147
Swallow/AW	3	26.66	A	6	0.0937	1	0.0937	2.2	9.9	69
	3	26.10	AA(+)	2	0.1605	5	0.1605	16.5	73.4	341
	3	25.22	AA(+)	3	0.1288	4	0.1288	9.7	43.1	197
	3	24.25	AA(+)	5	0.0978	2	0.0978	3.5	15.6	88
	3	22.46	AA(+)	4	1.1053	3	0.1053	5.3	23.4	117
Swanate/AW	4	21.15	AA(+)	7	0.0772	1	0.1029	2.3	10.1	62.7
Swan/AW	4	21.15	AA(+)	6	0.0834	1	0.0834	1.8	7.9	54.5
	4	20.69	AA(+)	2	0.1429	5	0.1429	13.5	60	270
	4	20.00	AA(+)	3	0.1147	4	0.1147	7.7	34.3	156
	4	19.23	AA(+)	5	0.0871	2	0.0871	2.8	12.4	69.8
	4	17.81	AA(+)	4	0.0937	3	0.0937	4.2	18.6	92.6
	4	16.41	AA(+)	2	0.1273	5	0.1273	11.3	50.3	215
	4	15.86	AA(+)	3	0.1022	4	0.1022	6.1	27.3	124
	4	13.02	AA(+)	2	0.1133	5	0.1133	9.0	39.9	170





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