0,6/1 kV Power Cable Catalogue

WE ARE TRANSMITTING THE WORLD'S ENERGY...

General Information:

• Coreal Aluminium Cable, a professional and reliable manufacturing company exporting all of its production with the slogan "we are transmitting the world's energy".

• In 2004, Coreal started its activities at 2004, in 30.000 m2 closed and 53.500 m2 open area. Since its conception, Coreal has been growing constantly by investing in research and development and adopting new technologies. Coreal's vision is to be a global power partner in the aluminum conductor and cable industry by innovative production and excellent customer service.
• Coreal produces 9,5 mm, 12.0 mm, and 15.0 mm diameter 1000 series Aluminum Wire Rod; 6000 series Aluminum Wire rod such as 6101, 6201, AL 5, AL 5 EHC, AL 59 and AL-Zr alloy wire rods. All used as raw materials in the cable industry.
• Other product groups of conductors include AAC (All Aluminum Conductors) , AAAC (All Aluminum Alloy Conductors), ACSR (Aluminum Conductors Steel Reinforced), AACSR (Aluminum Alloy Conductor Steel Reinforced), ACAR (Aluminum Conductor Alloy Reinforced), AL 5, AL5 EHC (Extra High Conductivity) AL 59, used in transmission and distribution lines from 11 kV up to 750 kV.
• Low voltage aerial bundled cables , and underground cables, Building Wire like XHHW, SER, SEU and medium voltage overhead line covered cables are also available in their product portfolio.
• Coreal have been satisfying all of their global customers by exporting to more than 60 countries in Northern and Southern America, Europe, Asia and Africa with the 52 000 tons of annual production capacity.

Technical Information

Product Range:
Products can be categorized with below application area and component configurations:
System Application
Over head
Under ground
Voltage Level
0,6/1 kV
Number of Cores
Single Core
Multi Core
Type of Conductor
Aluminum
Type of Insulation Compound
PVC
XLPE
Type of Protection
Non Armored
Armored
Steel Wire and Steel Tape Armored
Double Steel Tape Armored

Terminology:
Nominal Voltage: The nominal voltage is two values of alternative current U0/U in Volts.
U0/U: Phase to earth voltage level
U0: Voltage level between conductor and earth
U: Voltage level between phase conductors

Resistance: Electrical resistance (DC) of conductors as per IEC 60228
Conductor: Conductor is metallic component of cable which is carrying electrical current.
RE: Round and Solid Conductor
RM: Round Compacted Conductor with Multiple Wires
SM: Sector Shaped Compacted Conductor with Multiple Wires
Insulation: Layer over conductor that provides electrical seperation between conductors.
XLPE Insulation
PVC Insulation
Colors:
Single Core Cable: Red of Black (acc. to IEC 60502-1)
4 Core Cable: Red, Yellow, Blue and Black (acc. to IEC 60502-1)
4 Core Cable : Black, Brown, Grey, Yellow/Green (HD 603S1 5D)
Bedding: Layer under armoring layer that protects the cores of cable to lay up.
Armoring: Armoring is recommended for the cables directly buried into ground. The Armor provides extra mechanical protection against mechanical forces.
Steel Wire and Steel Tape Armor
Double Steel Tape Armor
Outer Jacket (Outer Sheath): This is protection layer of cable against surrounding environment. This layer is not applicable for NFA2X, ABC and AMKA type cables.

0,6/1 kV Aerial Bundled Conductor with PE Insulation, Bare Neutral

0,6/1 kV AERIAL BUNDLED CONDUCTORS WITH PE - NEUTRAL NON-INSULATED

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

SAP Product Number	No. X nominal area of the conductors	Covered Conductors						Neutral				Complete Cable	
		No. X nominal area of the conductors	Number of Wires	Diameter of Conductors	Tolerance	Max. Resistance at 20 °C	Min. Thickness of PE Cover	Nominal Diameter of Neutral	Tolerance	Min. Breaking Load	Max. Resistance at 20 °C	Max. Outer Diameter	Approx. Unit Weight
	mm²	mm²	adet	mm	mm	Ω/km	mm	mm	mm	kN	Ω/km	mm	kg/km
708301	1x16+25	1x16	1	4,4	±0,05	1,91	1,4	5,9	±0,20	7,4	1,38	15	140
708322	3x16+25	3x16	1	4,4	±0,05	1,91	1,4	5,9	±0,20	7,4	1,38	22	270
708324	3x25+35	3x25	7	5,9	±0,20	1,2	1,4	6,9	±0,20	10,3	0,986	26	390
708326	3x35+50	3x35	7	6,9	±0,20	0,868	1,6	8,1	±0,25	14,2	0,72	30	530
708328	3x50+70	3x50	7	8,1	±0,25	0,641	1,6	9,7	±0,25	20,6	0,493	35	700
708322	3x70+95	3x70	7	9,7	±0,25	0,443	1,8	11,4	±0,30	27,9	0,363	41	990
708317	3x120+95	3x120	19	12,7	±0,30	0,253	2,0	11,4	±0,30	27,9	0,363	47	1510
-	4*16+25	4*16	1	4,4	±0,05	1,91	1,4	5,9	±0,20	7,4	1,38	22	330
-	4*25+35	4*25	7	5,9	±0,20	1,20	1,4	6,9	±0,20	10,3	0,986	26	490

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV Aerial Bundled Conductor with XLPE Insulation

0,6/1 kV ABC - AERIAL BUNDLED CONDUCTORS WITH XLPE

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness			Overall diameter of Bundled (approx.)	Cable weight (approx.)	DC resistance (Max.) @ 20°C			Current Carrying Capacity of Phase	Current Carrying Capacity of Street Lighting
			Phase Conductor	Neutral	Street Lighting			Phase Conductor	Neutral	Street Lighting		
	No.* sqmm		mm	mm	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	A	A
708346	2x16	6	1,20	-	-	15	136	1,91	-	-	83	-
708395	4x16	53	1,20	-	-	18	272	1,91	-	-	83	-
708347	2x25	6	1,40	-	-	18	200	1,20	-	-	112	-
708396	4x25	53	1,40	-	-	22	400	1,20	-	-	112	-
708366	3x25+54,6	12	1,40	1,60	-	30	515	1,20	0,63	-	112	-
708368	3x35+54,6	15	1,60	1,60	-	33	630	0,868	0,63	-	-	-
708371	3x35+54,6+2x25 (*)	15	1,60	1,60	1,40	33,5	835	0,868	0,63	1,20	-	112
708375	3x50+54,6	15	1,60	1,60	-	34	750	0,641	0,63	-	168	-
708377	3x50+54,6+2x25 (*)	30	1,60	1,60	1,40	35	955	0,641	0,63	1,20	168	112
708399	4x50+2x25 (*)	53	1,60	-	1,40	35,5	920	0,641	-	1,20	168	112
708384	3x70+54,6+2x25 (*)	30	1,80	1,60	1,40	38	1180	0,443	0,63	1,20	213	112
708389	3x95+54,6	30	1,80	1,60	-	39,5	1210	0,320	0,63	-	258	-
708390	3x95+54,6+2x25 (*)	53	1,80	1,60	1,40	40	1420	0,320	0,63	1,20	258	112
708402	4x95+2x25 (*)	53	1,80	-	1,40	40,5	1545	0,320	-	1,20	258	112
708361	3x150+95+2x25 (*)	6	1,70	1,60	1,40	43,5	2050	0,206	0,343	1,20	344	112

(*) Instead of 2x25 Street lighting construction, alternative designs are as below:
3xPhase+1xNeutral+1x25
3xPhase+1xNeutral+2x16
3xPhase+1xNeutral+1x16

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV Single Core Power Cable with Al. Conductor, PVC Ins. PVC Jacket

NAYY-RM 1 (SINGLE) CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Single Core Power Cable with
Aluminyum Conductor, PVC Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity			
								In Air		Under Ground	
								Flat	Trefoil	Flat	Trefoil
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A	A	A
1 conductor											
708109	1x25	6	1,20	1,4	11,1	190	1,200	110	87	160	106
708110	1x35	6	1,20	1,4	12,1	230	0,868	135	107	193	127
708111	1x50	6	1,40	1,4	13,7	290	0,641	166	131	230	151
708112	1x70	12	1,40	1,4	15,5	380	0,443	210	166	283	185
708113	1x95	15	1,60	1,5	17,5	490	0,32	259	205	340	222
708114	1x120	15	1,60	1,5	18,7	580	0,253	302	239	389	253
708115	1x150	15	1,80	1,6	21	720	0,206	345	273	436	284
708116	1x185	30	2,00	1,7	23,4	880	0,164	401	317	496	313
708117	1x240	30	2,20	1,8	26,1	1100	0,125	479	378	578	375
708118	1x300	30	2,40	1,8	28,7	1300	0,100	555	437	656	419
708119	1x400	53	2,60	1,8	32,7	1700	0,0778	653	513	756	487
708120	1x500	53	2,80	1,8	36	2250	0,0605	772	600	873	558

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, PVC Ins. PVC Jacket

NAYY-RM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

RE: ☐ RM: ☑ SE: ☐ SM: ☐

0,6/1 kV Multi Core Power Cable with
Aluminyum Conductor, PVC Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductor									
708133	3x25+16	6	1,20/1,00	1,80	24,00	850	1,200	82	102
708134	3x35+16	6	1,20/1,00	1,80	25,90	980	0,868	100	123
708135	3x50+25	6	1,40/1,20	1,90	30,00	1330	0,641	119	144
708136	3x70+35	12	1,40/1,20	2,00	34,50	1750	0,443	152	179
708137	3x95+50	15	1,60/1,40	2,20	39,00	2300	0,320	186	215
708138	3x120+70	15	1,60/1,40	2,30	43,00	2800	0,253	216	245
708139	3x150+70	15	1,80/1,40	2,40	47,00	3300	0,206	246	275
708140	3x185+95	30	2,00/1,60	2,60	52,00	4150	0,164	285	313
708141	3x240+120	30	2,20/1,60	2,80	58,00	5150	0,125	338	364

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, PVC Ins. PVC Jacket

NAYY-RM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminyum Conductor, PVC Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
4 conductor									
708146	4x16	6	1,00	1,80	21,00	640	1,910	-	-
708147	4x25	6	1,20	1,80	25,00	920	1,200	82	102
708148	4x35	6	1,20	1,80	27,00	1100	0,868	100	123
708149	4x50	6	1,40	1,90	31,00	1480	0,641	119	144
708150	4x70	12	1,40	2,10	36,00	1980	0,443	152	179
708151	4x95	15	1,60	2,30	41,00	2600	0,320	186	215
708152	4x120	15	1,60	2,40	45,00	3100	0,253	216	245
708153	4x150	15	1,80	2,50	50,00	3800	0,206	246	275
708154	4x185	30	2,00	2,70	56,00	4700	0,164	285	313
708155	4x240	30	2,20	2,90	62,00	6900	0,125	338	364

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, PVC Ins., PVC Jacket

NAYY-SM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

SM : Phase Conductor (Faz İletkeni)
RM : Neutral (Nötr)

0,6/1 kV Multi Core Power Cable with
Aluminyum Conductor, PVC Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductor									
708170	3x70+35	12	1,40/1,20	2,00	33,30	1350	0,443	152	179
708171	3x95+50	15	1,60/1,40	2,20	37,70	1750	0,320	186	215
708172	3x120+70	15	1,60/1,40	2,30	42,00	2250	0,253	216	245
708173	3x150+70	15	1,80/1,40	2,40	45,00	2700	0,206	246	275
708174	3x185+95	30	2,00/1,60	2,60	50,00	3200	0,164	285	313
708175	3x240+120	30	2,20/1,60	2,80	57,00	4000	0,125	338	364

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, PVC Ins., PVC Jacket

NAYY-SM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminyum Conductor, PVC Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
4 conductor									
708176	4x70	12	1,40	2,10	35,00	1500	0,443	152	179
708177	4x95	15	1,60	2,30	40,00	1950	0,320	186	215
708178	4x120	15	1,60	2,40	44,00	2350	0,253	216	245
708179	4x150	15	1,80	2,50	48,00	2850	0,206	246	275
708180	4x185	30	2,00	2,70	54,00	3600	0,164	285	313
708181	4x240	30	2,20	2,90	60,00	4400	0,125	338	364

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, PVC Ins., PVC Bedding, Steel flat wire Armour Ins. PVC Jacket

NAYFGbY-RM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with Aluminyum Conductor, PVC Insulation, Steel Wire and Tape Armour and PVC Jacket

APPLICATION:
Indoor and outdoor installation direct burial
preferably used where considerable mechanical damage risk
Maximum continious normal operating temperature: 90 °C
Maximum short circuit tempearture: 250 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductor									
-	3x25+16	6	1,20/1,00	2,00	28,00	1400	1,200	82	102
-	3x35+16	6	1,20/1,00	2,10	29,00	1600	0,868	100	123
-	3x50+25	6	1,40/1,20	2,20	33,00	2050	0,641	119	144
-	3x70+35	12	1,40/1,20	2,40	38,00	2500	0,443	152	179
-	3x95+50	15	1,60/1,40	2,50	42,00	3300	0,320	186	215
-	3x120+70	15	1,60/1,40	2,70	46,00	3800	0,253	216	245
-	3x150+70	15	1,80/1,40	2,80	50,00	4400	0,206	246	275
-	3x185+95	30	2,00/1,60	3,00	55,00	5400	0,164	285	313
-	3x240+120	30	2,20/1,60	3,20	61,00	6500	0,125	338	364

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, PVC Ins., PVC Bedding, Steel flat wire Armour Ins. PVC Jacket

NAYFGbY-RM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with Aluminyum Conductor, PVC Insulation, Steel Wire and Tape Armour and PVC Jacket

APPLICATION:
Indoor and outdoor installation direct burial
preferably used where considerable mechanical damage risk
Maximum continious normal operating temperature: 90 °C
Maximum short circuit tempearture: 250 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV (Um = 1,2 kV)

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
4 conductor									
-	4x25	6	1,20	2,00	29,00	1600	1,200	82	102
-	4x35	6	1,20	2,10	31,00	1850	0,868	100	123
-	4x50	6	1,40	2,20	35,00	2300	0,641	119	144
-	4x70	12	1,40	2,40	40,00	2850	0,443	152	179
-	4x95	15	1,60	2,50	44,00	3600	0,320	186	215
-	4x120	15	1,60	2,70	49,00	4250	0,253	216	245
-	4x150	15	1,80	2,80	53,00	5100	0,206	246	275
-	4x185	30	2,00	3,00	59,00	6200	0,164	285	313
-	4x240	30	2,20	3,20	65,00	7500	0,125	338	364

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV Single Core Power Cable with Al. Conductor, XLPE Ins. PVC Jacket

NA2XY-RM 1 (SINGLE) CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Single Core Power Cable with
Aluminum Conductor, XLPE Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity			
								In Air		Under Ground	
								Flat	Trefoil	Flat	Trefoil
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A	A	A
1 conductor											
708184	1x25	6	0,90	1,2	10,3	165	1,200	136	106	177	114
708185	1x35	6	0,90	1,3	11,3	200	0,868	166	130	212	136
708186	1x50	6	1,00	1,3	12,7	245	0,641	205	161	252	162
708187	1x70	12	1,10	1,4	14,8	330	0,443	260	204	310	199
708188	1x95	15	1,10	1,4	16,5	420	0,32	321	252	372	238
708189	1x120	15	1,20	1,5	18	510	0,253	376	295	425	272
708190	1x150	15	1,40	1,6	20,2	630	0,206	431	339	476	305
708191	1x185	30	1,60	1,6	22,5	780	0,164	501	395	541	347
708192	1x240	30	1,70	1,7	25,1	975	0,125	600	472	631	404
708193	1x300	30	1,80	1,8	27,6	1150	0,100	696	547	716	457
708194	1x400	53	2,00	1,9	31,4	1545	0,0778	821	643	825	525
708195	1x500	53	2,20	2,1	35	2100	0,0605	971	754	952	601
708196	1x630	53	2,40	2,2	40	2550	0,0469	1151	882	1102	687

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, XLPE Ins. PVC Jacket

NA2XY-RM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductors									
708199	3x25+16	6	0,90/0,70	1,80	22,80	712	1,200	102	112
708200	3x35+16	6	0,90/0,70	1,80	24,40	832	0,868	126	135
708201	3x50+25	6	1,00/0,90	1,85	28,20	1115	0,641	149	158
708202	3x70+35	12	1,10/0,90	2,00	32,70	1472	0,443	191	196
708203	3x95+50	15	1,10/1,00	2,10	36,90	1930	0,320	234	234
708204	3x120+70	15	1,20/1,10	2,25	41,50	2440	0,253	273	268
708205	3x150+70	15	1,40/1,10	2,40	45,10	2900	0,206	311	300
708206	3x185+95	30	1,60/1,10	2,60	50,20	3650	0,164	360	342
708207	3x240+120	30	1,70/1,20	2,75	56,00	4550	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, XLPE Ins. PVC Jacket

NA2XY-RM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
4 conductors									
708212	4x16	6	0,70	1,80	19,60	530	1,910	-	-
708213	4x25	6	0,90	1,80	23,20	750	1,200	102	112
708214	4x35	6	0,90	1,80	25,90	930	0,868	126	135
708215	4x50	6	1,00	1,90	29,80	1240	0,641	149	158
708216	4x70	12	1,10	2,00	34,40	1720	0,443	191	196
708217	4x95	15	1,10	2,20	39,00	2170	0,320	234	234
708218	4x120	15	1,20	2,30	43,00	2700	0,253	273	268
708219	4x150	15	1,40	2,50	48,30	3350	0,206	311	300
708220	4x185	30	1,60	2,60	54,00	4150	0,164	360	342
708221	4x240	30	1,70	2,80	60,00	5200	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 5 Core Power Cable with Al. Conductor, XLPE Ins. PVC Jacket

NA2XY-RM 5 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
5 conductors									
708226	5x16	6	0,70	1,80	21,30	650	1,910	-	-
708227	5x25	6	0,90	1,80	26,00	950	1,200	102	112
708228	5x35	6	0,90	1,90	28,00	1150	0,868	126	135
708229	5x50	6	1,00	2,00	32,50	1550	0,641	149	158
708230	5x70	12	1,10	2,10	38,50	2150	0,443	191	196
708231	5x95	15	1,10	2,30	43,00	2800	0,320	234	234
708232	5x120	15	1,20	2,40	47,00	3450	0,253	273	268
708233	5x150	15	1,40	2,60	53,00	4300	0,206	311	300
708234	5x185	30	1,60	2,80	59,00	5350	0,164	360	342
708235	5x240	30	1,70	3,10	66,00	6700	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, XLPE Ins. PVC Jacket

NA2XY-SM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

SM : Phase Conductor (Faz İletkeni)
RM : Neutral (Nötr)

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductors									
708237	3x70+35	12	1,10/0,90	1,90	29,50	1130	0,443	191	196
708238	3x95+50	15	1,10/1,00	2,00	32,60	1460	0,320	234	234
708239	3x120+70	15	1,20/1,10	2,20	38,70	1820	0,253	273	268
708240	3x150+70	15	1,40/1,10	2,30	41,70	2200	0,206	311	300
708241	3x185+95	30	1,60/1,10	2,50	47,90	2700	0,164	360	342
708242	3x240+120	30	1,70/1,20	2,70	54,00	3400	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, XLPE Ins. PVC Jacket

NA2XY-SM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and PVC Jacket

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
4 conductors									
708243	4x70	12	1,10	1,90	31,20	1220	0,443	191	196
708244	4x95	15	1,10	2,00	34,70	1630	0,320	234	234
708245	4x120	15	1,20	2,20	40,70	2100	0,253	273	268
708246	4x150	15	1,40	2,30	43,90	2550	0,206	311	300
708247	4x185	30	1,60	2,50	50,20	3050	0,164	360	342
708248	4x240	30	1,70	2,70	56,00	3950	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV Single Core Power Cable with Al. Conductor, XLPE Ins. HFFR Jacket

NA2XH-RM 1 (SINGLE) CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Single Core Power Cable with
Aluminum Conductor, XLPE Insulation and HFFR Jacker

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity			
								In Air		Under Ground	
								Flat	Trefoil	Flat	Trefoil
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A	A	A
1 conductor											
-	1x25	6	0,90	1,3	11	145	1,200	136	106	177	114
-	1x35	6	0,90	1,4	11,8	175	0,868	166	130	212	136
-	1x50	6	1,00	1,4	13	220	0,641	205	161	252	162
-	1x70	12	1,10	1,4	15	300	0,443	260	204	310	199
-	1x95	15	1,10	1,4	16,5	380	0,32	321	252	372	238
-	1x120	15	1,20	1,5	18,4	480	0,253	376	295	425	272
-	1x150	15	1,40	1,6	20,6	580	0,206	431	339	476	305
-	1x185	30	1,60	1,6	22,6	725	0,164	501	395	541	347
-	1x240	30	1,70	1,7	25,1	900	0,125	600	472	631	404
-	1x300	30	1,80	1,7	27,8	1105	0,100	696	547	716	457
-	1x400	53	2,00	1,9	31,5	1450	0,0778	821	643	825	525
-	1x500	53	2,20	2,1	35	2050	0,0605	971	754	952	601
-	1x630	53	2,40	2,2	40	2400	0,0469	1151	882	1102	687

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, XLPE Ins. HFFR Jacket

NA2XH-RM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and HFFR Jacker

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductor									
-	3x25+16	6	0,90/0,70	1,80	23,10	660	1,200	102	112
-	3x35+16	6	0,90/0,70	1,80	25,00	800	0,868	126	135
-	3x50+25	6	1,00/0,90	1,80	28,40	1060	0,641	149	158
-	3x70+35	12	1,10/0,90	2,00	33,00	1475	0,443	191	196
-	3x95+50	15	1,10/1,00	2,10	37,00	1850	0,320	234	234
-	3x120+70	15	1,20/1,10	2,30	42,00	2400	0,253	273	268
-	3x150+70	15	1,40/1,10	2,40	45,20	2800	0,206	311	300
-	3x185+95	30	1,60/1,10	2,50	50,40	3500	0,164	360	342
-	3x240+120	30	1,70/1,20	2,75	56,00	4400	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, XLPE Ins. HFFR Jacket

NA2XH-RM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and HFFR Jacker

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
4 conductor									
-	4x16	6	0,70	1,80	20,00	500	1,910	-	-
-	4x25	6	0,90	1,80	24,00	740	1,200	102	112
-	4x35	6	0,90	1,80	26,50	900	0,868	126	135
-	4x50	6	1,00	1,90	30,00	1180	0,641	149	158
-	4x70	12	1,10	2,00	35,00	1640	0,443	191	196
-	4x95	15	1,10	2,20	39,00	2080	0,320	234	234
-	4x120	15	1,20	2,30	43,00	2650	0,253	273	268
-	4x150	15	1,40	2,50	50,00	3240	0,206	311	300
-	4x185	30	1,60	2,70	54,00	4000	0,164	360	342
-	4x240	30	1,70	2,90	60,00	5050	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 3+1 Core Power Cable with Al. Conductor, XLPE Ins. HFFR Jacket

NA2XH-SM 3+1 CORE

CONDUCTOR SHAPE and CONSTRUCTION

SM : Phase Conductor (Faz İletkeni)
RM : Neutral (Nötr)

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and HFFR Jacker

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

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductor									
-	3x70+35	12	1,10/0,90	1,90	27,50	1030	0,443	191	196
-	3x95+50	15	1,10/1,00	2,00	30,20	1360	0,320	234	234
-	3x120+70	15	1,20/1,10	2,20	37,00	1695	0,253	273	268
-	3x150+70	15	1,40/1,10	2,30	40,00	2075	0,206	311	300
-	3x185+95	30	1,60/1,10	2,50	46,00	2575	0,164	360	342
-	3x240+120	30	1,70/1,20	2,70	52,00	3275	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

0,6/1 kV 4 Core Power Cable with Al. Conductor, XLPE Ins. HFFR Jacket

NA2XH-SM 4 CORE

CONDUCTOR SHAPE and CONSTRUCTION

0,6/1 kV Multi Core Power Cable with
Aluminum Conductor, XLPE Insulation and HFFR Jacker

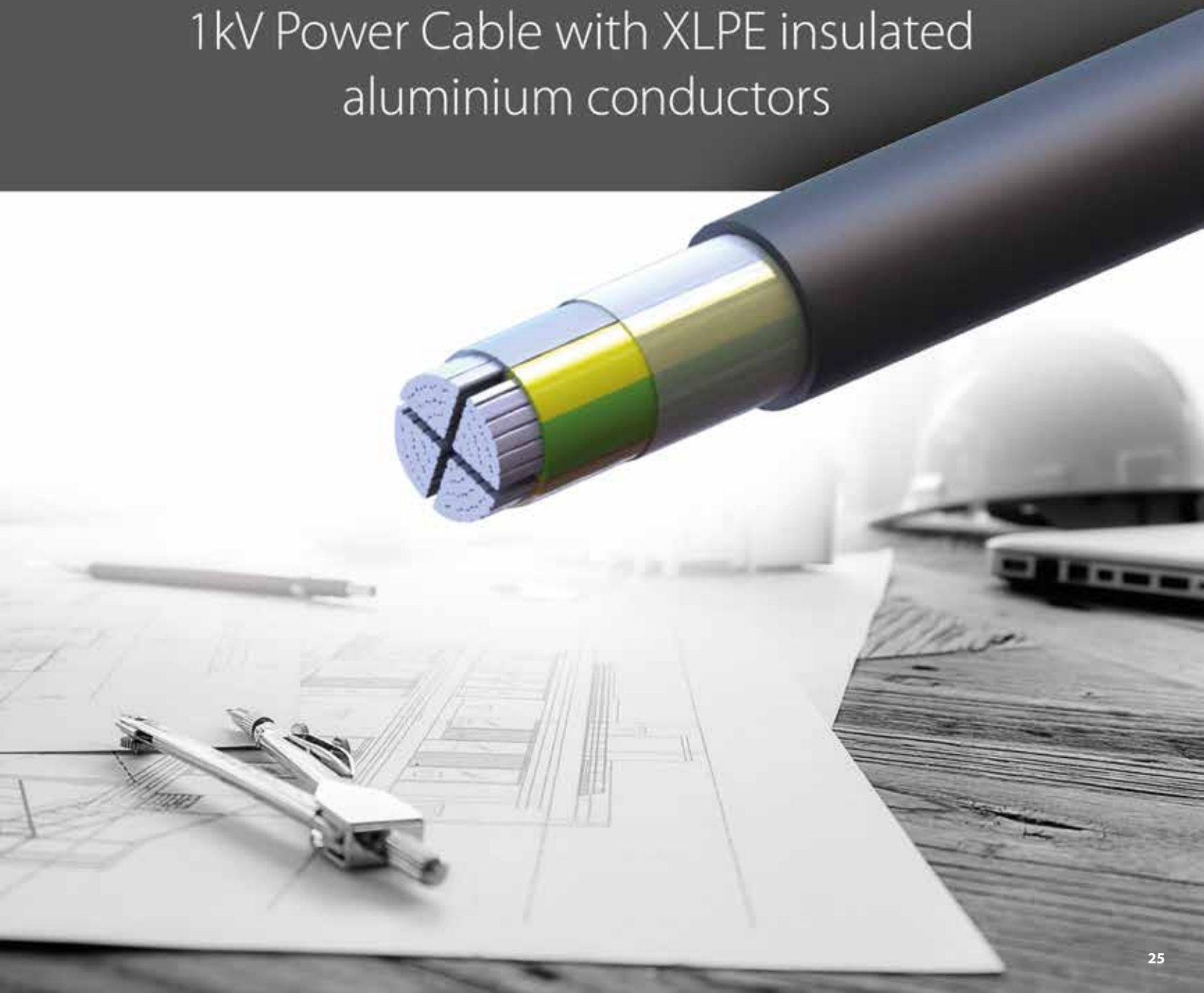
APPLICATION:
Indoor or outdoor installations,
where there is no mechanical damage risk.
Maximum continious normal operating temperature: 90 °C
Maximum short circuit tempearture: 250 °C
Standard: IEC 60502-1
Power cables with extruded insulation
Cables for rated voltages of 1 kV ((Um = 1,2 kV)

SAP Product Number	No. X nominal area of the conductors	Min. no. of wires in phase conductor	Nominal insulation thickness	Nominal outer sheath thickness	Overall diameter (approx.)	Cable Unit Weight (approx.)	DC resistance @ 20°C	Current Carrying Capacity	
								In Air	Under Ground
	No.* sqmm		mm	mm	mm	kg/km	Ω/km	A	A
3+1 conductor									
-	4x70	12	1,10	1,90	29,50	1120	0,443	191	196
-	4x95	15	1,10	2,00	33,00	1530	0,320	234	234
-	4x120	15	1,20	2,20	38,50	1975	0,253	273	268
-	4x150	15	1,40	2,30	41,00	2425	0,206	311	300
-	4x185	30	1,60	2,50	48,00	2925	0,164	360	342
-	4x240	30	1,70	2,70	54,00	3820	0,125	427	398

* Coreal has right to camend above values without declaring prior to change.

AXMK

1kV Power Cable with XLPE insulated aluminium conductors



AXMK

1kV Power Cable with XLPE insulated aluminium conductors-PVC Sheath

Application	Fixed indoor, outdoor and underground installations.
Construction	
Conductor	"16 mm² – solid round aluminium conductor; 25–300 mm2 – stranded, compacted and annealed sector shaped aluminium conductor"
Lay up	four insulated conductors stranded together
Sheath	Black PVC; plastics are UV resistible and they don't need extra protection against sunlight.
Marking	"Manufacturer, product name, date of manufacture, outer sheath material designation, meter marking."
	TECHNICAL DATA
Standard	HD 603.5D S1 - SFS 4879
Rated Voltage	0,6-1kV
Temperature Range	
Laying temperature	min -15 C°
Operating temperature	min -30 C° to + 90 C°
Conductor temperature	max +90C°
Short - Circuit temperature	max +250 C° / 5s
Insulation	XLPE - DIX6 - UV Resistant
Sheath	PVC - DMV10 - UV Resistant
Test Voltage	4 kV / 50Hz
Colour of Insulation	Colours according to HD 308 S2
Phase Conductors	Black, Brown, Grey
PEN Conductors	Yellow/Green

		4x16	4x25	4x35	4x50	4x70	4x95	4x120	4x150	4x185	4x240	4x300
Max Resistance	Ω/km	1,910	1,200	0,868	0,641	0,443	0,320	0,253	0,206	0,164	0,125	0,100
Conductor Shape		RE	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Current Capacity at 70°	A	78	100	111	136	176	215	251	290	334	397	460
Current Capacity at 95°	A	-	-	134	165	214	263	308	357	411	490	569
Outter Diameter	mm	20	21	23	27	30	34	38	42	47	53	58
AL. Weight	kg/km	165	265	365	495	720	995	1260	1550	1950	2550	3190
Total Weight	kg/km	380	500	670	830	1170	1500	1900	2300	2800	3700	4600

* Coreal has right to camend above values without declaring prior to change.

AXMK

1kV Power Cable with XLPE insulated aluminium conductors-PE Sheath

Application	Fixed indoor, outdoor and underground installations.
Construction	
Conductor	"16 mm² – solid round aluminium conductor; 25–300 mm2 – stranded, compacted and annealed sector shaped aluminium conductor"
Lay up	four insulated conductors stranded together
Sheath	Black PE; plastics are UV resistible and they don't need extra protection against sunlight.
Marking	"Manufacturer, product name, date of manufacture, outer sheath material designation, meter marking."
	TECHNICAL DATA
Standard	HD 603.5D S1 - SFS 4879
Rated Voltage	0,6-1kV
Temperature Range	
Laying temperature	min -15 C°
Operating temperature	min -30 C° to + 90 C°
Conductor temperature	max +90C°
Short - Circuit temperature	max +250 C° / 5s
Insulation	XLPE - DIX6 - UV Resistant
Sheath	DMP 8 type PE black - UV Resistant
Test Voltage	4 kV / 50Hz
Colour of Insulation	Colours according to HD 308 S2
Phase Conductors	Black, Brown, Grey
PEN Conductors	Yellow/Green

		4x16	4x25	4x35	4x50	4x70	4x95	4x120	4x150	4x185	4x240	4x300
Max Resistance	Ω/km	1,910	1,200	0,868	0,641	0,443	0,320	0,253	0,206	0,164	0,125	0,100
Conductor Shape		RE	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Current Capacity at 70°	A	78	100	111	136	176	215	251	290	334	397	460
Current Capacity at 95°	A	-	-	134	165	214	263	308	357	411	490	569
Outter Diameter	mm	20	21	23	27	30	34	38	42	47	53	58
AL. Weight	kg/km	165	265	365	495	720	995	1260	1550	1950	2550	3190
Total Weight	kg/km	324	440	600	745	1065	1300	1755	2130	2590	3440	4295

* Coreal has right to camend above values without declaring prior to change.

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