



### General description.

Single-conductor cable manufactured with one soft copper or hard 1350 alloy aluminum conductor with semi-conducting shield and cross-linked polyethylene (XLPE) or Ethylene Propylene Rubber (EPR) insulation, extruded shield over insulation, metallic copper stranded shield, and polyvinyl chloride (PVC) jacket.

### Specifications.

Viakon's shielded and jacketed XLPE or EPR medium voltage cables meet the following specification:

- NMX-J-142 Single Conductor Power Cables from 5 kV to 115 kV.

### Main applications:

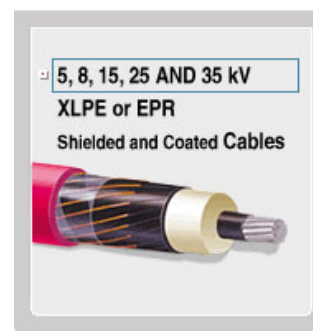
- Underground primary distribution networks in commercial areas with a very high load density.
- Primary electrical energy supply and distribution in industrial plants.
- Primary distribution networks in residential areas.
- Electrical power supply and distribution for buildings with substations located on different levels.
- Can be installed in conduits and ducts.

### Characteristics.

- Maximum operation voltage: 5 000, 8 000, 15 000, 25 000 or 35 000 V.
- Insulation levels from 100% to 133% (categories I and II respectively).
- Maximum operation temperature: 90°C.
- Maximum operation temperature in an emergency: 130°C.
- Maximum operation temperature in a short circuit: 250°C.
- Soft copper or hard 1350 alloy aluminum conductors with compressed concentric strands in sizes from 8,367 to 506,7 mm<sup>2</sup> (8 AWG to 1 000 kcmil).
- The insulation can be cross-linked polyethylene (XLPE) or ethylene propylene (EPR)
- The metallic shield is manufactured with copper strands size 0,324 mm<sup>2</sup> (22 AWG) that meet the NMX-J-142 and NRF-024-CFE requirements.
- The polyvinyl chloride (PVC) jacket has no-flame propagation characteristic.
- Red jacket.

### Advantages.

- Metallic shield:
  - Provides an excellent ground connection, which improves personal safety conditions during the operation of the cable.
  - Confines and equalizes the electrostatic field.
  - Protects operating equipment from electrical failures
- Jacket provides mechanical protection against abrasion and mal-treatment during installation.
- Anti-flame jacket makes them resistant to weather, sunlight, and chemical agents.
- Suitable for direct burial.
- Excellent electrical and mechanical characteristics.
- Can be installed in conduit and ducts.



XLPE- 5 kV											
				100% Insulation level Insulation Thickness : 2,29 mm ( 90 mils)			133% Insulation Level Insulation Thickness : 2,92 mm ( 115 mils)				
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
8	8,367	7	3,6	9,69	16,0	26,8	21,3	10,93	17,3	29,7	24,3
6	13,3	7	4,5	10,63	17,8	35,9	27,3	11,8	19,1	39,3	30,6
4	21,15	7	5,7	11,8	19,0	45,5	31,8	13,04	20,3	49,1	35,4
2	33,62	7	7,2	13,3	20,5	61,1	39,2	14,54	21,8	64,9	43,1
1/0	53,48	19	9,2	15,29	22,6	83,4	48,6	16,53	23,9	87,7	52,9
2/0	67,43	19	10,3	16,41	23,7	98,7	54,8	17,6	25,0	103	59,3
3/0	85,01	19	11,6	17,68	26,1	123	68,1	18,92	27,4	128	73,1
4/0	107,2	19	13,0	19,1	27,6	147	77,5	20,6	28,8	153	82,8
250	126,7	37	14,2	20,58	29,1	170	88,1	21,82	30,4	176	93,6
300	152	37	15,5	21,93	30,5	197	98,3	23,1	31,7	203	104
350	177,3	37	16,8	23,17	31,7	224	108	24,41	33,0	230	114
400	202,7	37	17,9	24,34	33,0	250	118	25,5	34,6	258	127
500	253,4	37	20,0	26,45	35,5	304	139	27,69	36,8	311	146
600	304	61	22,0	28,59	37,7	358	161	29,83	39,0	365	168
750	380	61	24,6	31,18	40,4	435	188	32,42	41,7	443	196
1 000	506,7	61	28,4	34,99	44,3	563	233	36,23	45,6	571	242

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES.

XLPE - 8 kV											
				100% Insulation Level Insulation Thickness : 2,92 mm (115 mils)				133% Insulation Level Insulation Thickness : 3,56 mm (140 mils)			
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
6	13,3	7	4,5	11,8	19	38,9	30,3	13	20,2	42,4	33,7
4	21,15	7	5,7	13	20,2	48,7	35	14,2	21,4	52,4	38,7
2	33,62	7	7,2	14,5	22,8	69,4	47,5	15,7	24	73,6	51,8
1/0	53,48	19	9,2	16,5	24,8	92,5	57,8	17,7	26	97,1	62,4
2/0	67,43	19	10,3	17,6	26	108	64,4	18,8	27,2	113	69,2
3/0	85,01	19	11,6	18,9	27,3	128	72,4	20,1	28,5	133	77,4
4/0	107,2	19	13	20,6	29	153	83,4	21,8	30,3	158	88,7
250	126,7	37	14,2	21,8	30,3	175	92,9	23	31,5	181	98,5
300	152	37	15,5	23,1	31,6	202	103	24,3	32,9	208	109
350	177,3	37	16,8	24,4	32,9	229	114	25,6	34,6	237	122
400	202,7	37	17,9	25,5	34,5	257	126	26,7	35,8	264	132
500	253,4	37	20	27,7	36,7	310	145	28,9	37,9	317	152
600	304	61	22	29,8	38,9	364	167	31	40,2	372	174
750	380	61	24,6	32,4	41,6	442	195	33,6	42,8	450	203
1 000	506,7	61	28,4	36,2	47,2	586	257	37,4	48,4	595	266

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

XLPE - 15 kV											
				100% Insulation Level Insulation Thickness : 4,45 mm ( 175 mils)				133% Insulation Level Insulation Thickness : 5,59 mm ( 220 mils)			
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
2	33,62	7	7,2	17,6	26,0	81,5	59,7	19,9	28,9	94,3	72,5
1/0	53,48	19	9,2	19,59	28,1	106	70,9	21,89	31,0	120	84,9
2/0	67,43	19	10,3	20,71	29,2	122	78,0	23,01	32,2	137	92,7
3/0	85,01	19	11,6	21,98	30,5	142	86,6	24,28	33,5	157	102
4/0	107,2	19	13,0	23,4	32,0	167	97,0	25,7	35,5	185	116
250	126,7	37	14,2	24,88	33,5	191	108	27,18	37,0	210	128
300	152	37	15,5	26,23	35,3	220	122	28,53	38,4	239	140
350	177,3	37	16,8	27,47	36,6	248	132	29,77	39,7	267	152
400	202,7	37	17,9	28,64	37,8	275	143	30,94	41,0	295	164
500	253,4	37	20,0	30,75	40,0	329	164	33,05	43,2	350	186
600	304	61	22,0	32,89	42,2	384	186	35,19	45,4	407	210
750	380	61	24,6	35,48	44,8	463	216	37,78	48,2	488	241
1 000	506,7	61	28,4	39,29	50,4	609	280	41,59	54,2	643	313

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

XLPE - 25 kV											
				100% Insulation Level Insulation Thickness : 6,60 mm ( 260 mils)				133% Insulation Level Insulation Thickness : 8,13 mm ( 320 mils)			
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
1/0	53,48	19	9,2	23,89	32,5	125	90,7	26,89	36,0	143	108
2/0	67,43	19	10,3	25,01	34,1	144	100	28,01	37,1	160	116
3/0	85,01	19	11,6	26,28	35,4	165	110	29,28	38,5	182	126
4/0	107,2	19	13,0	27,95	37,1	192	123	30,95	40,2	209	140
250	126,7	37	14,2	29,43	38,6	218	135	32,43	41,7	235	153
300	152	37	15,5	30,78	40,0	246	147	33,78	43,1	264	166
350	177,3	37	16,8	32,02	41,3	274	159	35,02	44,4	293	178
400	202,7	37	17,9	33,19	42,5	302	171	36,19	45,6	322	190
500	253,4	37	20,0	35,3	44,7	357	193	38,3	47,7	378	213
600	304	61	22,0	37,44	46,9	414	217	40,44	50,4	439	241
750	380	61	24,6	40,03	49,9	498	251	43,03	53,0	520	273
1 000	506,7	61	28,4	43,84	55,4	649	320	46,84	58,5	675	345

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

XLPE - 35 kV											
				100% Insulation Level Insulation Thickness : 8,76 mm ( 345 mils)				133% Insulation Level Insulation Thickness : 10,67 mm ( 420 mils)			
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
1/0	53,48	19	9,2	28,29	37,4	151	116	32,09	41,3	173	138

2/0	67,43	19	10,3	29,41	38,6	168	125	33,21	42,5	191	147
3/0	85,01	19	11,6	30,68	39,9	190	135	34,48	43,8	214	158
4/0	107,2	19	13,0	32,48	41,8	219	149	36,28	45,7	244	174
250	126,7	37	14,2	33,83	43,1	245	162	37,63	47,1	270	187
300	152	37	15,5	35,18	44,5	274	175	38,98	48,4	300	201
350	177,3	37	16,8	36,42	45,8	303	188	40,22	50,1	333	217
400	202,7	37	17,9	37,59	47,0	332	200	41,39	51,3	362	230
500	253,4	37	20,0	39,7	50,8	405	240	43,5	55,1	438	274
600	304	61	22,0	41,84	53,4	467	270	45,64	57,3	499	301
750	380	61	24,6	44,43	56,1	551	304	48,23	60,0	583	336
1 000	506,7	61	28,4	48,24	60,0	687	358	52,04	63,9	722	393

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

EPR - 5 kV											
				100% Insulation Level Insulation Thickness : 2,29 mm ( 90 mils )			133% Insulation Level Insulation Thickness : 2,92 mm ( 115 mils )				
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
8	8,367	7	3,6	9,69	16,0	28,5	23,0	10,93	17,3	32,0	26,6
6	13,3	7	4,5	10,63	17,8	37,9	29,2	11,8	19,1	41,9	33,2
4	21,15	7	5,7	11,8	19,0	47,7	34,0	13,04	20,3	52,0	38,3
2	33,62	7	7,2	13,3	20,5	63,6	41,8	14,54	21,8	68,3	46
1/0	53,48	19	9,2	15,29	22,6	86,5	51,7	16,53	23,9	91,6	57
2/0	67,43	19	10,3	16,41	23,7	102	58,2	17,6	25,0	107	64
3/0	85,01	19	11,6	17,68	26,1	127	71,7	18,92	27,4	133	78
4/0	107,2	19	13,0	19,1	27,6	151	81,5	20,6	28,8	158	88
250	126,7	37	14,2	20,58	29,1	175	92,4	21,82	30,4	182	99
300	152	37	15,5	21,93	30,5	202	103	23,1	31,7	209	110
350	177,3	37	16,8	23,17	31,7	229	113	24,41	33,0	236	121
400	202,7	37	17,9	24,34	33,0	255	123	25,5	34,6	265	133
500	253,4	37	20,0	26,45	35,5	310	145	27,69	36,8	318	154
600	304	61	22,0	28,59	37,7	364	167	29,83	39,0	373	176
750	380	61	24,6	31,18	40,4	442	195	32,42	41,7	452	205
1 000	506,7	61	28,4	34,99	44,3	571	241	36,23	45,6	581	252

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

EPR- 8 kV											
				100% Insulation Level Insulation Thickness : 2,92 mm ( 115 mils )			133% Insulation Level Insulation Thickness : 3,56 mm ( 140 mils )				
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
6	13,30	7	4,5	11,8	19,0	41,5	32,8	13,0	20,2	45,6	37,0
4	21,15	7	5,7	13,0	20,2	51,7	37,9	14,2	21,4	56,1	42,3
2	33,62	7	7,2	14,5	22,8	72,8	50,9	15,7	24,0	77,8	56,0
1/0	53,48	19	9,2	16,5	24,8	96,5	61,7	17,7	26,0	102	67,3
2/0	67,43	19	10,3	17,6	26,0	113	68,7	18,8	27,2	118	74,5
3/0	85,01	19	11,6	18,9	27,3	132	77,1	20,1	28,5	138	83,2
4/0	107,2	19	13,0	20,6	29,0	158	88,8	21,8	30,3	165	95,3
250	126,7	37	14,2	21,8	30,3	181	98,5	23,0	31,5	188	105
300	152,0	37	15,5	23,1	31,6	208	109	24,3	32,9	215	117
350	177,3	37	16,8	24,4	32,9	235	120	25,6	34,6	245	129
400	202,7	37	17,9	25,5	34,5	264	132	26,7	35,8	272	140
500	253,4	37	20,0	27,7	36,7	318	153	28,9	37,9	326	161
600	304,0	61	22,0	29,8	38,9	373	175	31,0	40,2	381	184
750	380,0	61	24,6	32,4	41,6	451	204	33,6	42,8	460	213
1 000	506,7	61	28,4	36,2	47,2	596	267	37,4	48,4	607	278

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

EPR - 15 kV											
				100% Insulation Level Insulation Thickness : 4,45 mm ( 175 mils )			133% Insulation Level Insulation Thickness : 5,29 mm ( 220 mils )				
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm <sup>2</sup>		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
2	33,62	7	7,2	17,6	26,0	87,1	65,3	19,9	28,9	102	80
1/0	53,48	19	9,2	19,59	28,1	112	77,3	21,89	31,0	128	93
2/0	67,43	19	10,3	20,71	29,2	129	85,0	23,01	32,2	146	102
3/0	85,01	19	11,6	21,98	30,5	149	94,1	24,28	33,5	167	112
4/0	107,2	19	13,0	23,4	32,0	175	105	25,7	35,5	196	126
250	126,7	37	14,2	24,88	33,5	200	117	27,18	37,0	222	140
300	152	37	15,5	26,23	35,3	230	131	28,53	38,4	251	152
350	177,3	37	16,8	27,47	36,6	258	142	29,77	39,7	280	165
400	202,7	37	17,9	28,64	37,8	285	154	30,94	41,0	309	177

500	253,4	37	20,0	30,75	40,0	340	175	33,05	43,2	365	200
600	304	61	22,0	32,89	42,2	396	199	35,19	45,4	423	225
750	380	61	24,6	35,48	44,8	476	229	37,78	48,2	505	258
1 000	506,7	61	28,4	39,29	50,4	625	295	41,59	54,2	662	332

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

EPR - 25 kV											
				100% Insulation Level Insulation Thickness : 6,60 mm ( 260 mils)				133% Insulation Level Insulation Thickness : 8,13 mm ( 320 mils)			
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm²		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
1/0	53,48	19	9,2	23,89	32,5	136	101	26,89	36,0	157	122
2/0	67,43	19	10,3	25,01	34,1	156	112	28,01	37,1	175	131
3/0	85,01	19	11,6	26,28	35,4	177	122	29,28	38,5	198	142
4/0	107,2	19	13,0	27,95	37,1	206	136	30,95	40,2	227	157
250	126,7	37	14,2	29,43	38,6	232	150	32,43	41,7	254	172
300	152	37	15,5	30,78	40,0	261	163	33,78	43,1	284	185
350	177,3	37	16,8	32,02	41,3	290	175	35,02	44,4	314	199
400	202,7	37	17,9	33,19	42,5	319	187	36,19	45,6	343	212
500	253,4	37	20,0	35,3	44,7	376	211	38,3	47,7	401	236
600	304	61	22,0	37,44	46,9	434	236	40,44	50,4	463	266
750	380	61	24,6	40,03	49,9	519	272	43,03	53,0	547	300
1 000	506,7	61	28,4	43,84	55,4	673	343	46,84	58,5	704	375

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

EPR - 35 kV											
				100% Insulation Level Insulation Thickness : 8,76 mm ( 345 mils)				133% Insulation Level Insulation Thickness : 10,67 mm ( 420 mils)			
Size	Transversal Section Nominal Area	Number of wires	Conductor Diameter	Insulation Diameter	Approximated Overall Diameter	Approximated Total Weight ( kg / 100 m )		Insulation Diameter	Approximated Overall Diameter	Approximated Total weight ( kg / 100 m )	
AWG o kcmil	mm²		mm	mm	mm	Copper	Aluminum	mm	mm	Copper	Aluminum
1/0	53,48	19	9,2	28,29	37,4	167	132	32,09	41,3	194	159
2/0	67,43	19	10,3	29,41	38,6	185	141	33,21	42,5	213	169
3/0	85,01	19	11,6	30,68	39,9	208	153	34,48	43,8	237	182
4/0	107,2	19	13,0	32,48	41,8	239	169	36,28	45,7	269	199
250	126,7	37	14,2	33,83	43,1	265	183	37,63	47,1	297	214
300	152	37	15,5	35,18	44,5	296	197	38,98	48,4	328	229
350	177,3	37	16,8	36,42	45,8	326	211	40,22	50,1	362	247
400	202,7	37	17,9	37,59	47,0	356	224	41,39	51,3	393	261
500	253,4	37	20,0	39,7	50,8	431	266	43,5	55,1	471	306
600	304	61	22,0	41,84	53,4	495	297	45,64	57,3	534	336
750	380	61	24,6	44,43	56,1	580	333	48,23	60,0	621	374
1 000	506,7	61	28,4	48,24	60,0	720	390	52,04	63,9	764	434

NOTE: APPROXIMATED VALUES SUBJECT TO MANUFACTURING TOLERANCES

NUMBER OF PRODUCTS- XLPE 5,8,15,25 Y 35 Kv CABLES																					
Size		NMX-J-142																			
		100% Insulation Level										133% Insulation Level									
		COPPER					ALUMINUM					COPPER					ALUMINUM				
AWG o kcmil	5kV	8kV	15kV	25kV	35kV	5kV	8kV	15kV	25kV	35kV	5kV	8kV	15kV	25kV	35kV	5kV	8kV	15kV	25kV	35kV	
8	B925	-	-	-	-	GY65	-	-	-	-	GZ17	-	-	-	-	GZ64	-	-	-	-	
6	G900	GV58	-	-	-	GY66	GV79	-	-	-	GZ18	GW09	-	-	-	GZ65	GW39	-	-	-	
4	G676	GV59	-	-	-	GY67	GV80	-	-	-	GZ19	GW10	-	-	-	GZ66	GW40	-	-	-	
2	A438	GV60	GY39	-	-	V067	GV81	GY80	-	-	GZ20	GW11	GZ32	-	-	GZ67	GW41	GZ80	-	-	
1/0	A444	GV61	V690	V740	V750	GY68	GV82	GY81	GY93	GZ05	GZ21	GW12	R933	GZ42	W913	GZ68	GW42	GZ81	GZ93	GU05	
2/0	GY33	GV62	GY41	GS39	BT67	GY69	GV83	GY82	GY94	GZ06	GZ22	GW13	GZ33	GZ43	GZ54	GZ69	GW43	GZ82	GZ94	GU06	
3/0	G674	GV63	GY42	GY47	GY56	GY70	GV84	GY83	GY95	GZ07	GZ23	GW14	GZ34	GZ44	GZ55	GZ70	GW44	GZ83	GZ95	GU07	
4/0	A896	H958	GY43	GY48	GY57	GY71	GV85	GY84	GY96	GZ08	GZ24	GW15	GZ35	GZ45	W853	GZ71	GW45	GZ84	GZ96	GU08	
250	B934	H959	U678	GY49	W150	GY72	GV86	GY85	GY97	GZ09	GZ25	GW16	GZ36	GZ46	GZ56	GZ72	GW46	GZ85	GZ97	GU09	
300	GY34	GV64	R446	GY50	GY58	GY73	GV87	GY86	GY98	GZ10	GZ26	GW17	GZ37	GZ47	GZ57	GZ73	GW47	GZ86	GZ98	GU10	
350	GY35	GV65	GY44	GY51	GY59	GY74	GV88	GY87	GY99	GZ11	GZ27	GW18	J815	GZ48	GZ58	GZ74	GW48	GZ87	GZ99	GU11	
400	GY36	GV66	GY45	GY52	GY60	GY75	GV89	GY88	GZ00	GZ12	GZ28	GW19	GZ38	GZ49	GZ59	GZ75	GW49	GZ88	GU00	GU12	
500	GY37	H960	A899	A890	GY61	GY76	GV90	GY89	GZ01	GZ13	GZ29	GW20	S540	GZ50	GZ60	GZ76	GW50	GZ89	GU01	GU13	
600	GY38	GV67	GY46	GY53	GY62	GY77	GV91	GY90	GZ02	GZ14	L250	GW21	GZ39	GZ51	GZ61	GZ77	GW51	GZ90	GU02	GU14	
750	B940	H962	G929	GY54	GY63	GY78	GV92	GY91	GZ03	GZ15	GZ30	GW22	GZ40	GZ52	GZ62	GZ78	GW52	GZ91	GU03	GU15	
1 000	G901	GV68	V631	GY55	GY64	GY79	GV93	GY92	GZ04	GZ16	GZ31	GW23	GZ41	GZ53	GZ63	GZ79	GW53	GZ92	GU04	GU16	

NUMBER OF PRODUCTS - EPR 5,8,15,25 Y 35 kV CABLES.																					
Size		NMX-J-142																			
		100% Insulation Level										133% Insulation Level									
		COPPER					ALUMINUM					COPPER					ALUMINUM				
AWG o kcmil	5kV	8kV	15kV	25kV	35kV	5kV	8kV	15kV	25kV	35kV	5kV	8kV	15kV	25kV	35kV	5kV	8kV	15kV	25kV	35kV	
8	HP00	-	-	-	-	HP27	-	-	-	-	HP80	-	-	-	-	HQ27	-	-	-	-	
6	HP01	GV69	-	-	-	HP28	GV94	-	-	-	HP81	GW24	-	-	-	HQ28	GW54	-	-	-	
4	Y841	GV70	-	-	-	HP29	GV95	-	-	-	Q699	GW25	-	-	-	HQ29	GW55	-	-	-	
2	Y844	AW71	HP07	-	-	HP30	GV96	HP43	-	-	HP82	GW26	HP93	-	-	HQ30	GW56	HQ43	-	-	

1/0	Y872	GV71	H242	H237	N398	HP31	GV97	HP44	HP56	HP68	HP83	GW27	IX57	HQ04	HQ15	HQ31	GW57	HQ44	HQ54	HQ66
2/0	Y873	BS78	G253	F883	HP16	HP32	GV98	HP45	HP57	HP69	Y915	GW28	HP95	HQ05	HQ16	HQ32	GW58	HQ45	HQ55	HQ67
3/0	HP02	GV72	G923	F891	HP17	HP33	GV99	HP46	HP58	HP70	HP84	GW29	HP96	HQ06	HQ17	HQ33	GW59	HQ46	HQ56	HQ68
4/0	Q049	BG90	U696	HP10	HP18	HP34	GW00	HP47	HP59	HP71	HP85	GW30	T261	HQ07	HQ18	HQ34	GW60	HQ47	HQ57	HQ69
250	Q050	V651	Y845	G213	HP19	HP35	GW01	HP48	HP60	HP72	HP86	GW31	HP97	HQ08	HQ19	HQ35	GW61	HQ48	HQ58	HQ70
300	HP03	GV73	HP08	HP11	HP20	HP36	GW02	HP49	HP61	HP73	HP87	GW32	HP98	HQ09	HQ20	HQ36	GW62	HQ49	HQ59	HQ71
350	Y843	GV74	Y842	HP12	HP21	HP37	GW03	HP50	HP62	HP74	HP88	GW33	HP99	HQ10	HQ21	HQ37	GW63	HQ50	HQ60	HQ72
400	HP04	GV75	HP09	HP13	HP22	HP38	GW04	HP51	HP63	HP75	HP89	GW34	HQ00	HQ11	HQ22	HQ38	GW64	HQ51	HQ61	HQ73
500	Y847	GV76	U637	F890	HP23	HP39	GW05	HP52	HP64	HP76	Y937	GW35	HQ01	HQ12	HQ23	HQ39	GW65	V739	HQ62	BS17
600	HP05	GV77	Y972	HP14	HP24	HP40	GW06	HP53	HP65	HP77	HP90	GW36	HQ02	HQ13	HQ24	HQ40	GW66	HQ52	HQ63	HQ74
750	HP06	O530	G943	HP15	HP25	HP41	GW07	HP54	HP66	HP78	HP91	GW37	T262	V293	HQ25	HQ41	GW67	Z204	HQ64	HQ75
1 000	V073	GV78	H395	P829	HP26	HP42	GW08	HP55	HP67	HP79	HP92	GW38	HQ03	HQ14	HQ26	HQ42	GW68	HQ53	HQ65	HQ76

ENERGY 03