



Detail Description or Construction

Type Flexonax is a single insulated conductor of stranded aluminum, with insulation of EPR (Ethylene Propylene Rubber) compound and protected by PVC jacket.

Application

Flexonax cables are recommended for power transmission and distribution lines for and from substations, for outdoor or underground industrial and commercial installations in dry or damp environments, and other related applications.

Standards / Testing Specifications

- NBR 7286 - Power transmission cables with solid ethylene propylene rubber (EPR) extruded insulation for operating voltages from 1 to 35 kV. For 69kV cable: AEIC CS6 - Association of Edison Illuminating Companies.

Marking

NUMBER OF CONDUCTORS X SIZE
EPR PVC VOLTAGE LEVEL.

Installation

Flexonax conductors can be installed in conduits, raceways, ducts, direct buried. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation.



Flexonax

1 to 35 kV Aluminum Conductor. EPR Insulation / PVC Sheath

FLEXONAX 3,6 / 6kV - TECHNICAL CHARACTERISTICS

Conductor		Nominal Thickness		Maximum Overall Diameter	Nominal Net Weight	Length per Reel	Product Code
Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	
ALUMINUM - 1 CONDUCTOR							
10	3.65	3.00	1.40	16.40	323	1000	15058.001.384
16	4.60	3.00	1.40	17.50	362	1000	15058.001.386
25	5.85	3.00	1.40	18.90	420	800	15058.001.388
35	6.87	3.00	1.40	20.10	471	750	15058.001.390
50	7.92	3.00	1.40	21.30	538	1000	15058.001.392
70	9.55	3.00	1.40	23.20	645	1000	15058.001.394
95	11.30	3.00	1.50	25.40	760	750	15058.001.396
120	12.73	3.00	1.50	25.90	880	750	15058.001.398
150	14.00	3.00	1.60	27.50	1003	700	15058.001.400
185	15.68	3.00	1.60	29.30	1158	500	15058.001.401
240	17.95	3.00	1.70	32.30	1391	500	15058.001.402
300	20.05	3.00	1.80	35.20	1631	450	15058.001.403
400	23.06	3.00	1.90	39.20	2007	250	15058.001.404
500	26.20	3.20	2.00	43.30	2401	250	15058.001.405



Flexonax

1 to 35 kV Aluminum Conductor. EPR Insulation / PVC Sheath

FLEXONAX 6 / 10 kV - TECHNICAL CHARACTERISTICS

Conductor		Nominal Thickness		Maximum Overall Diameter	Nominal Net Weight	Length per Reel	Product Code
Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	

ALUMINUM - 1 CONDUCTOR

16	4.60	3.40	1.40	20.30	388	1000	15059.001.386
25	5.85	3.40	1.40	21.70	450	1000	15059.001.388
35	6.87	3.40	1.40	22.70	503	1000	15059.001.390
50	7.92	3.40	1.40	24.00	571	900	15059.001.392
70	9.55	3.40	1.50	26.00	681	800	15059.001.394
95	11.30	3.40	1.60	28.10	812	700	15059.001.396
120	12.73	3.40	1.60	29.60	920	500	15059.001.398
150	14.00	3.40	1.70	31.70	1059	500	15059.001.400
185	15.68	3.40	1.70	33.30	1204	400	15059.001.401
240	17.95	3.40	1.80	35.70	1441	350	15059.001.402
300	20.05	3.40	1.90	38.70	1729	250	15059.001.403
400	23.06	3.40	2.00	41.80	2081	250	15059.001.404
500	26.20	3.40	2.10	45.00	2449	250	15059.001.405



Flexonax

1 to 35 kV Aluminum Conductor. EPR Insulation / PVC Sheath

FLEXONAX 8,7 / 15 kV - TECHNICAL CHARACTERISTICS

Conductor		Nominal Thickness		Maximum Overall Diameter	Nominal Net Weight	Length per Reel	Product Code
Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	
ALUMINUM - 1 CONDUCTOR							
25	5.85	4.50	1.40	24.10	540	900	15060.001.388
35	6.87	4.50	1.50	25.40	607	800	15060.001.390
50	7.92	4.50	1.50	26.70	680	700	15060.001.392
70	9.55	4.50	1.60	28.60	799	600	15060.001.394
95	11.30	4.50	1.60	30.50	924	500	15060.001.396
120	12.73	4.50	1.70	32.20	1053	400	15060.001.398
150	14.00	4.50	1.70	34.10	1187	400	15060.001.400
185	15.68	4.50	1.80	35.90	1352	500	15060.001.401
240	17.95	4.50	1.90	38.30	1597	400	15060.001.402
300	20.05	4.50	1.90	41.20	1852	250	15060.001.403
400	23.06	4.50	2.00	44.20	2246	250	15060.001.404
500	26.20	4.50	2.10	47.40	2626	250	15060.001.405



Flexonax

1 to 35 kV Aluminum Conductor. EPR Insulation / PVC Sheath

FLEXONAX 12 / 20 KV - TECHNICAL CHARACTERISTICS

Conductor		Nominal Thickness		Maximum Overall Diameter	Nominal Net Weight	Length per Reel	Product Code
Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	
ALUMINUM - 1 CONDUCTOR							
35	6.87	5.50	1.60	27.80	711	1000	15061.001.390
50	7.92	5.50	1.60	29.10	789	1000	15061.001.392
70	9.55	5.50	1.60	30.80	903	700	15061.001.394
95	11.30	5.50	1.70	32.90	1049	600	15061.001.396
120	12.73	5.50	1.80	34.60	1183	500	15061.001.398
150	14.00	5.50	1.80	36.60	1324	500	15061.001.400
185	15.68	5.50	1.90	38.40	1496	400	15061.001.401
240	17.95	5.50	1.90	40.50	1733	400	15061.001.402
300	20.05	5.50	2.00	43.60	2018	250	15061.001.403
400	23.06	5.50	2.10	46.70	2421	250	15061.001.404
500	26.20	5.50	2.20	49.80	2813	250	15061.001.405



Flexonax

1 to 35 kV Aluminum Conductor. EPR Insulation / PVC Sheath

FLEXONAX 15 / 25 KV - TECHNICAL CHARACTERISTICS

Conductor		Nominal Thickness		Maximum Overall Diameter	Nominal Net Weight	Length per Reel	Product Code
Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	
ALUMINUM - 1 CONDUCTOR							
50	7.92	6.80	1.70	32.20	958	700	15062.001.392
70	9.55	6.80	1.70	33.90	1063	600	15062.001.394
95	11.30	6.80	1.80	36.00	1219	500	15062.001.396
120	12.73	6.80	1.80	37.50	1346	700	15062.001.398
150	14.00	6.80	1.90	39.60	1511	600	15062.001.400
185	15.68	6.80	2.00	41.40	1692	600	15062.001.401
240	17.95	6.80	2.00	43.60	1942	500	15062.001.402
300	20.05	6.80	2.10	46.70	2239	250	15062.001.403
400	23.06	6.80	2.20	49.70	2657	250	15062.001.404
500	26.20	6.80	2.30	52.90	3067	250	15062.001.405



Flexonax

1 to 35 kV Aluminum Conductor. EPR Insulation / PVC Sheath

FLEXONAX 20 / 35 KV - TECHNICAL CHARACTERISTICS

Conductor		Nominal Thickness		Maximum Overall Diameter	Nominal Net Weight	Length per Reel	Product Code
Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	

ALUMINUM - 1 CONDUCTOR

50	7.92	8.80	1.80	36.80	1197	500	15064.001.392
70	9.55	8.80	1.90	38.70	1346	400	15064.001.394
95	11.30	8.80	1.90	40.60	1502	400	15064.001.396
120	12.73	8.80	2.00	42.30	1657	350	15064.001.398
150	14.00	8.80	2.00	44.30	1820	250	15064.001.400
185	15.68	8.80	2.10	46.10	2014	250	15064.001.401
240	17.95	8.80	2.20	48.50	2297	250	15064.001.402
300	20.05	8.80	2.20	51.30	2597	250	15064.001.403
400	23.06	8.80	2.40	54.60	3060	250	15064.001.404
500	26.20	8.80	2.40	54.90	3467	250	15064.001.405