



Detail Description or Construction

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

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 3C

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 - 3 CONDUCTOR							
10	3.65	3.00	1.80	35.30	1502	450	15058.003.384
16	4.60	3.00	1.80	37.70	1701	450	15058.003.386
25	5.85	3.00	1.90	41.00	1966	350	15058.003.388
35	6.87	3.00	2.00	43.80	2251	350	15058.003.390
50	7.92	3.00	2.10	47.10	2568	350	15058.003.392
70	9.55	3.00	2.20	51.30	3047	350	15058.003.394
95	11.30	3.00	2.30	55.90	3580	350	15058.003.396
120	12.73	3.00	2.40	57.60	4125	300	15058.003.398
150	14.00	3.00	2.50	60.80	4718	250	15058.003.400
185	15.68	3.00	2.60	65.00	5345	250	15058.003.401
240	17.95	3.00	2.80	71.30	6311	250	15058.003.402
300	20.05	3.00	3.00	78.10	7478	200	15058.003.403
400	23.06	3.00	3.30	86.90	9059	200	15058.003.404
500	26.20	3.20	3.50	95.70	10761	200	15058.003.405



Flexonax 3C

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 - 3 CONDUCTOR

16	4.60	3.40	2.00	43.70	1835	500	15059.003.386
25	5.85	3.40	2.10	47.00	2135	400	15059.003.388
35	6.87	3.40	2.20	48.90	2371	350	15059.003.390
50	7.92	3.40	2.30	52.90	2758	350	15059.003.392
70	9.55	3.40	2.40	54.30	3229	350	15059.003.394
95	11.30	3.40	2.50	58.70	3831	250	15059.003.396
120	12.73	3.40	2.70	62.30	4359	250	15059.003.398
150	14.00	3.40	2.80	66.50	4968	250	15059.003.400
185	15.68	3.40	2.90	70.00	5608	250	15059.003.401
240	17.95	3.40	3.10	75.30	6664	250	15059.003.402
300	20.05	3.40	3.20	81.30	7790	250	15059.003.403
400	23.06	3.40	3.50	87.80	9389	250	15059.003.404



Flexonax 3C

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 - 3 CONDUCTOR

25	5.85	4.50	2.30	51.10	2673	350	15060.003.388
35	6.87	4.50	2.40	53.00	2952	350	15060.003.390
50	7.92	4.50	2.50	55.90	3309	250	15060.003.392
70	9.55	4.50	2.60	60.10	3870	250	15060.003.394
95	11.30	4.50	2.70	64.10	4459	250	15060.003.396
120	12.73	4.50	2.80	67.50	4999	250	15060.003.398
150	14.00	4.50	2.90	71.70	5647	250	15060.003.400
185	15.68	4.50	3.10	75.80	6420	250	15060.003.401
240	17.95	4.50	3.20	80.50	7422	250	15060.003.402
300	20.05	4.50	3.40	86.70	8642	250	15060.003.403



Flexonax 3C

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 - 3 CONDUCTOR

35	6.87	5.50	2.50	58.20	3500	350	15061.003.390
50	7.92	5.50	2.60	61.10	3884	350	15061.003.392
70	9.55	5.50	2.70	64.80	4429	250	15061.003.394
95	11.30	5.50	2.90	69.10	5089	250	15061.003.396
120	12.73	5.50	3.00	72.50	5654	250	15061.003.398
150	14.00	5.50	3.10	77.10	6408	250	15061.003.400
185	15.68	5.50	3.20	80.50	7116	250	15061.003.401
240	17.95	5.50	3.40	85.40	8197	250	15061.003.402
300	20.05	5.50	3.50	91.40	9439	250	15061.003.403



Flexonax 3C

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 - 3 CONDUCTOR

50	7.92	6.80	2.80	67.40	4657	250	15062.003.392
70	9.55	6.80	2.90	71.20	5240	250	15062.003.394
95	11.30	6.80	3.10	75.80	6016	250	15062.003.396
120	12.73	6.80	3.20	79.20	6623	250	15062.003.398
150	14.00	6.80	3.30	83.40	7361	250	15062.003.400