



## Detail Description or Construction

Type Flexonax is a multiple insulated conductor of stranded copper, 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

1 to 35 kV Copper 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	
COPPER - 3 CONDUCTOR							
10	3.71	3.00	1.80	35.50	1,697	450	43959.003.384
16	4.65	3.00	1.80	37.80	2,027	450	43959.003.386
25	5.85	3.00	1.90	41.00	2,445	350	43959.003.388
35	6.80	3.00	2.00	43.60	2,926	350	43959.003.390
50	8.02	3.00	2.10	47.30	3,454	350	43959.003.392
70	9.58	3.00	2.20	51.40	4,357	350	43959.003.394
95	11.30	3.00	2.30	55.90	5,440	350	43959.003.396
120	12.78	3.00	2.40	60.30	6,468	300	43959.003.398
150	14.10	3.00	2.50	61.00	7,539	250	43959.003.400
185	15.73	3.00	2.60	65.10	8,962	250	43959.003.401
240	18.04	3.00	2.80	71.50	11,034	250	43959.003.402
300	20.36	3.00	3.00	78.90	13,393	200	43959.003.403
400	23.10	3.00	3.30	87.00	16,436	200	43959.003.404
500	26.22	3.20	3.50	95.80	20,445	200	43959.003.405

## 1 to 35 kV Copper 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	
COPPER - 3 CONDUCTOR							
16	4.65	3.40	2.00	43.90	2,162	500	43960.003.386
25	5.85	3.40	2.10	47.00	2,614	400	43960.003.388
35	6.80	3.40	2.20	50.10	3,112	350	43960.003.390
50	8.02	3.40	2.30	52.80	3,644	350	43960.003.392
70	9.58	3.40	2.40	54.40	4,539	350	43960.003.394
95	11.30	3.40	2.50	59.00	5,687	250	43960.003.396
120	12.78	3.40	2.70	62.50	6,704	250	43960.003.398
150	14.10	3.40	2.80	66.00	7,793	250	43960.003.400
185	15.73	3.40	2.90	70.10	9,226	250	43960.003.401
240	18.04	3.40	3.10	76.20	11,386	250	43960.003.402
300	20.36	3.40	3.20	81.60	13,700	250	43960.003.403
400	23.10	3.40	3.50	87.90	16,767	250	43960.003.404



# Flexonax

1 to 35 kV Copper 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### COPPER - 3 CONDUCTOR

25	5.85	4.50	2.30	51.10	3,151	350	43961.003.388
35	6.80	4.50	2.40	53.20	3,631	350	43961.003.390
50	8.02	4.50	2.50	55.80	4,194	250	43961.003.392
70	9.58	4.50	2.60	60.20	5,181	250	43961.003.394
95	11.30	4.50	2.70	64.40	6,322	250	43961.003.396
120	12.78	4.50	2.80	67.70	7,345	250	43961.003.398
150	14.10	4.50	2.90	71.20	8,462	250	43961.003.400
185	15.73	4.50	3.10	76.00	10,040	250	43961.003.401
240	18.04	4.50	3.20	81.40	12,158	250	43961.003.402
300	20.36	4.50	3.40	87.00	14,561	250	43961.003.403



# Flexonax

1 to 35 kV Copper 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### COPPER - 3 CONDUCTOR

35	6.80	5.50	2.50	58.40	4,187	350	43962.003.390
50	8.02	5.50	2.60	61.00	4,769	350	43962.003.392
70	9.58	5.50	2.70	65.00	5,741	250	43962.003.394
95	11.30	5.50	2.90	69.30	6,949	250	43962.003.396
120	12.78	5.50	3.00	72.60	8,001	250	43962.003.398
150	14.10	5.50	3.10	76.50	9,217	250	43962.003.400
185	15.73	5.50	3.20	80.70	10,737	250	43962.003.401
240	18.04	5.50	3.40	86.40	12,941	250	43962.003.402
300	20.36	5.50	3.50	91.80	15,355	250	43962.003.403



# Flexonax

1 to 35 kV Copper 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	
COPPER - 3 CONDUCTOR							
50	8.02	6.80	2.80	67.30	5,541	250	43963.003.392
70	9.58	6.80	2.90	71.30	6,554	250	43963.003.394
95	11.30	6.80	3.10	76.10	7,879	250	43963.003.396
120	12.78	6.80	3.20	79.40	8,972	250	43963.003.398
150	14.10	6.80	3.30	82.90	10,170	250	43963.003.400