



Detail Description or Construction

Type Flexonax is a single insulated conductor of stranded bare annealed copper, 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 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 ²	mm	mm	mm	mm	kg / km	m	

COPPER - 1 CONDUCTOR							
10	3.71	3.00	1.40	16.40	388	1000	43959.001.384
16	4.65	3.00	1.40	17.50	467	1000	43959.001.386
25	5.85	3.00	1.40	18.90	577	800	43959.001.388
35	6.80	3.00	1.40	20.00	690	750	43959.001.390
50	8.02	3.00	1.40	21.40	828	1000	43959.001.392
70	9.58	3.00	1.40	23.20	1072	1000	43959.001.394
95	11.30	3.00	1.50	25.40	1365	750	43959.001.396
120	12.78	3.00	1.50	25.90	1643	750	43959.001.398
150	14.10	3.00	1.60	27.60	1934	700	43959.001.400
185	15.73	3.00	1.70	29.40	2338	500	43959.001.401
240	18.04	3.00	1.70	32.40	2918	500	43959.001.402
300	20.36	3.00	1.80	35.60	3557	450	43959.001.403
400	23.10	3.00	1.90	39.20	4416	250	43959.001.404
500	26.22	3.20	2.00	43.30	5526	250	43959.001.405



Flexonax

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 ²	mm	mm	mm	mm	kg / km	m	
COPPER - 1 CONDUCTOR							
16	4.65	3.40	1.40	20.40	493	1000	43959.001.384
25	5.85	3.40	1.40	21.70	607	1000	43959.001.386
35	6.80	3.40	1.40	22.80	723	1000	43959.001.388
50	8.02	3.40	1.40	24.00	861	900	43959.001.390
70	9.58	3.40	1.50	26.00	1108	800	43959.001.392
95	11.30	3.40	1.60	28.20	1415	700	43959.001.394
120	12.78	3.40	1.60	29.70	1684	500	43959.001.396
150	14.10	3.40	1.70	31.50	1991	500	43959.001.398
185	15.73	3.40	1.70	33.40	2383	400	43959.001.400
240	18.04	3.40	1.80	36.10	2967	350	43959.001.401
300	20.36	3.40	1.90	38.90	3626	250	43959.001.402
400	23.10	3.40	2.00	41.90	4490	250	43959.001.403
500	26.22	3.40	2.10	45.80	5577	250	43959.001.404



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 ²	mm	mm	mm	mm	kg / km	m	
COPPER - 1 CONDUCTOR							
25	5.85	4.50	1.40	24.10	697	900	43961.001.388
35	6.80	4.50	1.50	25.50	826	800	43961.001.390
50	8.02	4.50	1.50	26.60	970	700	43961.001.392
70	9.58	4.50	1.60	28.70	1226	600	43961.001.394
95	11.30	4.50	1.60	30.60	1529	500	43961.001.396
120	12.78	4.50	1.70	32.30	1817	400	43961.001.398
150	14.10	4.50	1.70	33.90	2116	400	43961.001.400
185	15.73	4.50	1.80	36.00	2531	500	43961.001.401
240	18.04	4.50	1.90	38.80	3127	400	43961.001.402
300	20.36	4.50	1.90	41.30	3779	250	43961.001.403
400	23.10	4.50	2.00	44.30	4655	250	43961.001.404
500	26.22	4.50	2.10	48.20	5754	250	43961.001.405



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 ²	mm	mm	mm	mm	kg / km	m	

COPPER - 1 CONDUCTOR

35	6.80	5.50	1.60	27.90	932	1000	43962.001.390
50	8.02	5.50	1.60	29.10	1079	1000	43962.001.392
70	9.58	5.50	1.60	30.90	1330	700	43962.001.394
95	11.30	5.50	1.70	33.00	1653	600	43962.001.396
120	12.78	5.50	1.80	34.70	1947	500	43962.001.398
150	14.10	5.50	1.80	36.30	2252	500	43962.001.400
185	15.73	5.50	1.90	38.50	2676	400	43962.001.401
240	18.04	5.50	1.90	41.00	3264	400	43962.001.402
300	20.36	5.50	2.00	43.70	3944	250	43962.001.403
400	23.10	5.50	2.10	46.70	4830	250	43962.001.404
500	26.22	5.50	2.20	50.70	5946	250	43962.001.405



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 ²	mm	mm	mm	mm	kg / km	m	

COPPER - 1 CONDUCTOR

50	8.02	6.80	1.70	32.10	1233	700	43963.001.392
70	9.58	6.80	1.70	33.90	1490	600	43963.001.394
95	11.30	6.80	1.80	36.10	1823	500	43963.001.396
120	12.78	6.80	1.80	37.60	2110	700	43963.001.398
150	14.10	6.80	1.90	39.40	2440	600	43963.001.400
185	15.73	6.80	2.00	41.50	2874	600	43963.001.401
240	18.04	6.80	2.00	44.10	3473	500	43963.001.402
300	20.36	6.80	2.10	46.80	4165	250	43963.001.403
400	23.10	6.80	2.20	49.80	5066	250	43963.001.404
500	26.22	6.80	2.30	53.70	6201	250	43963.001.405



Flexonax

1 to 35 KV Copper 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	

COPPER - 1 CONDUCTOR

50	8.02	8.80	1.80	36.80	1486	500	43965.001.392
70	9.58	8.80	1.90	38.80	1774	400	43965.001.394
95	11.30	8.80	1.90	40.70	2107	400	43965.001.396
120	12.78	8.80	2.00	42.40	2422	350	43965.001.398
150	14.10	8.80	2.00	44.00	2745	250	43965.001.400
185	15.73	8.80	2.10	46.20	3195	250	43965.001.401
240	18.04	8.80	2.20	48.90	3833	250	43965.001.402
300	20.36	8.80	2.20	51.40	4525	250	43965.001.403
400	23.10	8.80	2.40	54.60	5470	250	43965.001.404
500	26.22	8.80	2.40	55.70	6608	250	43965.001.405