



Detail Description or Construction

Type Forenax is a single or multiple insulated conductor of stranded aluminum, with insulation of Flame Retarding Thermoplastic polyvinyl chloride (PVC FR) compound and protected by PVC jacket. Identification (multiple conductors): number code.

Note: FR compound has special flame-retarding and self-extinguishing characteristics.

Application

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

Standards / Testing Specifications

- NBR 7288 - Power transmission cables with solid polyvinyl chloride (PVC) or polyethylene extruded insulation for operating voltages up to 1kV.

Marking

NUMBER OF CONDUCTORS X SIZE
PVC PVC VOLTAGE LEVEL.

Installation

Forenax conductors can be installed in conduits, raceways, ducts, ladders, walls, 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.



Forenax

0,6/1 kV Aluminum Conductor. PVC Insulation / PVC Sheath

FORENAX CABLE 0,6 / 1kV - 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

1.5	1.38 (RN)	0.8	0.9	5.5	32	1,500	03710.001.375
2.5	1.78 (RN)	0.8	0.9	6.0	38	1,500	03710.001.377
4	2.25 (RN)	1.0	1.0	7.2	55	1,500	03710.001.380
6	2.82 (RN)	1.0	1.0	7.8	68	1,500	03710.001.382
10	3.65 (RC)	1.0	1.0	8.9	87	1,000	03710.001.384
16	4.60 (RC)	1.0	1.0	10.0	114	1,000	03710.001.386
25	5.85 (RC)	1.2	1.1	12.1	169	1,000	03710.001.388
35	6.87 (RC)	1.2	1.1	13.2	209	1,000	03710.001.390
50	7.92 (RC)	1.4	1.2	14.6	277	1,000	03710.001.392
70	9.55 (RC)	1.4	1.2	16.3	354	1,000	03710.001.394
95	11.30 (RC)	1.6	1.3	18.9	476	1,000	03710.001.396
120	12.73 (RC)	1.6	1.3	20.4	567	500	03710.001.398
150	14.00 (RC)	1.8	1.4	22.6	693	500	03710.001.400
185	16.00 (RC)	2.0	1.5	25.2	862	500	03710.001.401
240	17.95 (RC)	2.2	1.6	28.4	1,099	500	03710.001.402
300	20.05 (RC)	2.4	1.7	31.4	1,344	500	03710.001.403
400	23.30 (RC)	2.6	1.8	35.1	1,722	250	03710.001.404
500	26.20 (RC)	2.8	1.9	39.2	2,164	250	03710.001.405



Forenax

0,6/1 kV Aluminum Conductor. PVC Insulation / PVC Sheath

FORENAX CABLE 0,6 / 1KV - 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 - 2 CONDUCTORS							
1.5	1.38 (RN)	0.8	1.0	8.7	87	1,000	03725.002.375
2.5	1.78 (RN)	0.8	1.0	9.7	105	1,000	03725.002.377
4	2.25 (RN)	1.0	1.1	12.5	158	1,000	03725.002.380
6	2.82 (RN)	1.0	1.1	13.9	193	1,000	03725.002.382
10	3.65 (RC)	1.0	1.2	14.7	265	1,000	03725.002.384
16	4.60 (RC)	1.0	1.3	18.9	451	1,000	03725.002.386
25	5.85 (RC)	1.2	1.4	22.5	645	500	03725.002.388
35	6.87 (RC)	1.2	1.5	25.1	798	500	03725.002.390
50	7.92 (RC)	1.4	1.6	28.1	1,028	500	03725.002.392
70	9.55 (RC)	1.4	1.7	32.0	1,326	500	03725.002.394
95	11.30 (RC)	1.6	1.8	37.0	1,792	250	03725.002.396
120	12.73 (RC)	1.6	1.9	40.6	2,125	250	03725.002.398
150	14.00 (RC)	1.8	2.0	44.2	2,562	250	03725.002.400
185	16.00 (RC)	2.0	2.2	49.3	3,262	250	03725.002.401
240	17.95 (RC)	2.2	2.4	54.9	4,069	250	03725.002.402
300	20.05 (RC)	2.4	2.5	60.9	4,999	250	03725.002.403



Forenax

0,6/1 kV Aluminum Conductor. PVC Insulation / PVC Sheath

FORENAX CABLE 0,6 / 1kV - 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 CONDUCTORS							
1.5	1.38 (RN)	0.8	1.0	9.3	98	1,000	03725.003.375
2.5	1.78 (RN)	0.8	1.1	10.7	124	1,000	03725.003.377
4	2.25 (RN)	1.0	1.1	12.5	179	1,000	03725.003.380
6	2.82 (RN)	1.0	1.2	13.9	232	1,000	03725.003.382
10	3.65 (RC)	1.0	1.2	15.5	305	1,000	03725.003.384
16	4.60 (RC)	1.0	1.3	20.2	513	1,000	03725.003.386
25	5.85 (RC)	1.2	1.4	24.5	740	500	03725.003.388
35	6.87 (RC)	1.2	1.5	27.8	917	500	03725.003.390
50	7.92 (RC)	1.4	1.6	30.5	1,185	500	03725.003.392
70	9.55 (RC)	1.4	1.8	34.9	1,589	500	03725.003.394
95	11.30 (RC)	1.6	1.9	40.0	2,102	250	03725.003.396
120	12.73 (RC)	1.6	2.0	43.1	2,504	250	03725.003.398
150	14.00 (RC)	1.8	2.1	47.6	3,074	250	03725.003.400
185	16.00 (RC)	2.0	2.3	53.5	3,840	250	03725.003.401
240	17.95 (RC)	2.2	2.5	59.3	4,871	250	03725.003.402
300	20.05 (RC)	2.4	2.7	64.9	5,933	250	03725.003.403



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0,6/1 kV Aluminum Conductor. PVC Insulation / PVC Sheath

FORENAX CABLE 0,6 / 1kV - 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 - 4 CONDUCTORS

1.5	1.38 (RN)	0.8	1.1	10.4	122	1,000	03725.004.375
2.5	1.78 (RN)	0.8	1.1	11.4	148	1,000	03725.004.377
4	2.25 (RN)	1.0	1.2	13.6	223	1,000	03725.004.380
6	2.82 (RN)	1.0	1.2	15.1	280	1,000	03725.004.382
10	3.65 (RC)	1.0	1.3	17.4	384	1,000	03725.004.384
16	4.60 (RC)	1.0	1.4	22.1	623	1,000	03725.004.386
25	5.85 (RC)	1.2	1.5	26.8	906	500	03725.004.388
35	6.87 (RC)	1.2	1.6	29.4	1,123	500	03725.004.390
50	7.92 (RC)	1.4	1.7	33.3	1,492	500	03725.004.392
70	9.55 (RC)	1.4	1.9	37.8	1,950	500	03725.004.394
95	11.30 (RC)	1.6	2.0	44.2	2,582	250	03725.004.396
120	12.73 (RC)	1.6	2.2	47.9	3,156	250	03725.004.398
150	14.00 (RC)	1.8	2.3	52.7	3,814	250	03725.004.400
185	16.00 (RC)	2.0	2.5	59.5	4,819	250	03725.004.401
240	17.95 (RC)	2.2	2.7	65.7	6,039	250	03725.004.402
300	20.05 (RC)	2.4	2.9	73.8	7,379	250	03725.004.403

(RN) = non-compacted
(RC) = compacted