



Detail Description or Construction

Type Forex is a single insulated conductor of stranded aluminum, with insulation of XLPE (Cross-linked Polyethylene) and protected by PVC jacket.

Application

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

Standards / Testing Specifications

- NBR 7287 - Power transmission cables with solid Cross-linked Polyethylene (XLPE) extruded insulation for operating voltages from 1 to 35 kV.

Marking

NUMBER OF CONDUCTORS X SIZE
XLPE PVC VOLTAGE LEVEL.

Installation

Forex 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.



Forex 1C

6 to 35 kV Aluminum Conductor. XLPE Insulation / PVC Sheath

FOREX 3,6 / 6 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

10	3.65	2.50	1.40	17.20	281	1,000	18160.001.384
16	4.60	2.50	1.40	18.30	318	1,500	18160.001.386
25	5.85	2.50	1.40	19.70	369	1,200	18160.001.388
35	6.87	2.50	1.40	20.70	417	1,200	18160.001.390
50	7.92	2.50	1.40	22.00	478	1,000	18160.001.392
70	9.55	2.50	1.40	23.80	569	1,000	18160.001.394
95	11.30	2.50	1.50	25.90	690	1,000	18160.001.396
120	12.73	2.50	1.50	27.40	791	700	18160.001.398
150	14.00	2.50	1.60	29.50	920	500	18160.001.400
185	15.68	2.50	1.60	31.10	1,056	500	18160.001.401
240	17.95	2.60	1.70	33.70	1,291	400	18160.001.402
300	20.05	2.80	1.80	37.20	1,560	350	18160.001.403
400	23.06	3.00	1.90	40.70	1,952	250	18160.001.404
500	26.20	3.20	2.00	44.30	2,336	250	18160.001.405



Forex 1C

6 to 35 kV Aluminum Conductor. XLPE Insulation / PVC Sheath

FOREX 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	367	1,200	18161.001.386
25	5.85	3.40	1.40	21.70	426	1,000	18161.001.388
35	6.87	3.40	1.40	22.70	476	1,000	18161.001.390
50	7.92	3.40	1.40	24.00	542	1,000	18161.001.392
70	9.55	3.40	1.50	26.00	648	1,000	18161.001.394
95	11.30	3.40	1.60	28.10	775	600	18161.001.396
120	12.73	3.40	1.60	29.60	880	500	18161.001.398
150	14.00	3.40	1.70	31.70	1,015	400	18161.001.400
185	15.68	3.40	1.70	33.30	1,157	400	18161.001.401
240	17.95	3.40	1.80	35.70	1,389	350	18161.001.402
300	20.05	3.40	1.90	38.70	1,643	250	18161.001.403
400	23.06	3.40	2.00	41.80	2,017	250	18161.001.404
500	26.20	3.40	2.10	45.00	2,379	250	18161.001.405



Forex 1C

6 to 35 kV Aluminum Conductor. XLPE Insulation / PVC Sheath

FOREX 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	505	1,000	18162.001.388
35	6.87	4.50	1.50	25.40	568	1,000	18162.001.390
50	7.92	4.50	1.50	26.70	638	1,000	18162.001.392
70	9.55	4.50	1.60	28.60	752	600	18162.001.394
95	11.30	4.50	1.60	30.50	871	500	18162.001.396
120	12.73	4.50	1.70	32.20	996	450	18162.001.398
150	14.00	4.50	1.70	34.10	1,124	450	18162.001.400
185	15.68	4.50	1.80	35.90	1,285	350	18162.001.401
240	17.95	4.50	1.90	38.30	1,524	300	18162.001.402
300	20.05	4.50	1.90	41.20	1,771	250	18162.001.403
400	23.06	4.50	2.00	44.20	2,157	250	18162.001.404
500	26.20	4.50	2.10	47.40	2,528	250	18162.001.405



Forex 1C

6 to 35 kV Aluminum Conductor. XLPE Insulation / PVC Sheath

FOREX 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	660	700	18163.001.390
50	7.92	5.50	1.60	29.10	867	600	18163.001.392
70	9.55	5.50	1.60	30.80	979	500	18163.001.394
95	11.30	5.50	1.70	32.90	1,127	600	18163.001.396
120	12.73	5.50	1.80	34.60	1,247	500	18163.001.398
150	14.00	5.50	1.80	36.60	1,405	500	18163.001.400
185	15.68	5.50	1.90	38.40	1,579	450	18163.001.401
240	17.95	5.50	1.90	40.50	1,819	400	18163.001.402
300	20.05	5.50	2.00	43.60	2,104	300	18163.001.403
400	23.06	5.50	2.10	46.70	2,509	250	18163.001.404
500	26.20	5.50	2.20	49.80	2,905	250	18163.001.405



Forex 1C

6 to 35 kV Aluminum Conductor. XLPE Insulation / PVC Sheath

FOREX 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	867	700	18164.001.392
70	9.55	6.80	1.70	33.90	979	600	18164.001.394
95	11.30	6.80	1.80	36.00	1,127	500	18164.001.396
120	12.73	6.80	1.80	37.50	1,247	450	18164.001.398
150	14.00	6.80	1.90	36.90	1,405	450	18164.001.400
185	15.68	6.80	2.00	41.40	1,579	350	18164.001.401
240	17.95	6.80	2.00	43.60	1,819	300	18164.001.402
300	20.05	6.80	2.10	46.70	2,104	250	18164.001.403
400	23.06	6.80	2.20	49.70	2,509	250	18164.001.404
500	26.20	6.80	2.30	52.90	2,905	250	18164.001.405



Forex 1C

6 to 35 kV Aluminum Conductor. XLPE Insulation / PVC Sheath

FOREX 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	1,085	700	18166.001.392
70	9.55	8.80	1.90	38.30	1,197	600	18166.001.394
95	11.30	8.80	1.90	40.60	1,370	600	18166.001.396
120	12.73	8.80	2.00	42.30	1,516	500	18166.001.398
150	14.00	8.80	2.00	44.30	1,669	500	18166.001.400
185	15.68	8.80	2.10	46.10	1,854	400	18166.001.401
240	17.95	8.80	2.20	48.50	2,124	350	18166.001.402
300	20.05	8.80	2.20	51.30	2,409	250	18166.001.403
400	23.06	8.80	2.40	54.60	2,855	250	18166.001.404
500	26.20	8.80	2.40	54.90	3,245	250	18166.001.405