



### Detail Description or Construction

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

### 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 3C

6 to 25 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### ALUMINUM - 3 CONDUCTORS

10	3.65	2.50	1.80	36.70	1283	500	18160.003.384
16	4.60	2.50	1.90	39.20	1484	500	18160.003.386
25	5.85	2.50	2.00	42.50	1742	500	18160.003.388
35	6.87	2.50	2.00	44.70	1953	450	18160.003.390
50	7.92	2.50	2.20	48.40	2303	350	18160.003.392
70	9.55	2.50	2.30	52.40	2736	350	18160.003.394
95	11.30	2.50	2.40	54.00	3246	350	18160.003.396
120	12.73	2.50	2.50	57.80	3761	250	18160.003.398
150	14.00	2.50	2.60	62.00	4326	250	18160.003.400
185	15.68	2.50	2.70	65.50	4930	250	18160.003.401
240	17.95	2.60	2.90	70.80	5922	250	18160.003.402
300	20.05	2.80	3.10	78.40	7208	250	18160.003.403
400	23.06	3.00	3.40	85.80	8890	250	18160.003.404
500	26.20	3.20	3.60	93.20	10560	250	18160.003.405



# Forex 3C

6 to 25 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### ALUMINUM - 3 CONDUCTORS

16	4.60	3.40	2.00	43.70	1771	500	18161.003.386
25	5.85	3.40	2.10	47.00	2061	600	18161.003.388
35	6.87	3.40	2.20	49.90	2350	500	18161.003.390
50	7.92	3.40	2.30	52.90	2670	350	18161.003.392
70	9.55	3.40	2.40	54.30	3129	350	18161.003.394
95	11.30	3.40	2.50	58.70	3719	350	18161.003.396
120	12.73	3.40	2.70	62.30	4237	350	18161.003.398
150	14.00	3.40	2.80	66.50	4833	250	18161.003.400
185	15.68	3.40	2.90	70.00	5463	250	18161.003.401
240	17.95	3.40	3.10	75.30	6505	250	18161.003.402
300	20.05	3.40	3.20	81.30	7612	250	18161.003.403
400	23.06	3.40	3.50	87.80	9193	250	18161.003.404



# Forex 3C

6 to 25 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### ALUMINUM - 3 CONDUCTORS

25	5.85	4.50	2.30	53.10	2563	500	18162.003.388
35	6.87	4.50	2.40	53.00	2834	500	18162.003.390
50	7.92	4.50	2.50	55.90	3179	350	18162.003.392
70	9.55	4.50	2.60	60.10	3725	350	18162.003.394
95	11.30	4.50	2.70	64.10	4298	300	18162.003.396
120	12.73	4.50	2.80	67.50	4825	350	18162.003.398
150	14.00	4.50	2.90	71.80	5456	250	18162.003.400
185	15.68	4.50	3.10	75.80	6215	250	18162.003.401
240	17.95	4.50	3.20	80.50	7199	250	18162.003.402
300	20.05	4.50	3.40	86.70	8394	250	18162.003.403



# Forex 3C

6 to 25 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### ALUMINUM - 3 CONDUCTORS

35	6.87	5.50	2.50	58.20	3342	350	18163.003.390
50	7.92	5.50	2.60	61.10	3713	350	18163.003.392
70	9.55	5.50	2.70	64.80	4239	300	18163.003.394
95	11.30	5.50	2.90	69.10	4879	250	18163.003.396
120	12.73	5.50	3.00	72.50	5428	250	18163.003.398
150	14.00	5.50	3.10	77.10	6161	250	18163.003.400
185	15.68	5.50	3.20	80.50	6852	250	18163.003.401
240	17.95	5.50	3.40	85.40	7909	250	18163.003.402
300	20.05	5.50	3.50	91.40	9122	250	18163.003.403



# Forex 3C

6 to 25 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 <sup>2</sup>	mm	mm	mm	mm	kg / km	m	

### ALUMINUM - 3 CONDUCTORS

50	7.92	6.80	2.80	67.40	4424	300	18164.003.392
70	9.55	6.80	2.90	71.20	4984	250	18164.003.394
95	11.30	6.80	3.10	75.80	5735	250	18164.003.396
120	12.73	6.80	3.20	79.20	6322	250	18164.003.398
150	14.00	6.80	3.30	83.40	7035	250	18164.003.400