



Detail Description or Construction

Type Forex is a multiple insulated conductor of stranded annealed copper, 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 35 kV Copper 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	

COPPER - 3 CONDUCTORS

10	3.71	2.50	1.80	36.80	1,501	500	47072.003.384
16	4.65	2.50	1.90	39.40	1,809	500	47072.003.386
25	5.85	2.50	2.00	42.50	2,226	500	47072.003.388
35	6.80	2.50	2.00	45.00	2,627	450	47072.003.390
50	8.02	2.50	2.20	48.30	3,190	350	47072.003.392
70	9.58	2.50	2.30	52.50	4,045	350	47072.003.394
95	11.30	2.50	2.40	54.30	5,099	350	47072.003.396
120	12.78	2.50	2.50	58.00	6,104	250	47072.003.398
150	14.10	2.50	2.60	61.50	7,157	250	47072.003.400
185	15.73	2.50	2.70	65.60	8,546	250	47072.003.401
240	18.04	2.60	2.90	71.70	10,639	250	47072.003.402
300	20.36	2.80	3.10	78.70	13,115	250	47072.003.403
400	23.10	3.00	3.40	85.90	16,267	250	47072.003.404
500	26.22	3.20	3.60	94.90	20,240	250	47072.003.405



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Nominal Size	Nominal Diameter	Insulation	Sheath				
mm ²	mm	mm	mm	mm	kg / km	m	

COPPER - 3 CONDUCTORS

16	4.65	3.40	2.00	43.90	2,097	500	47073.003.386
25	5.85	3.40	2.10	47.00	2,540	600	47073.003.388
35	6.80	3.40	2.20	50.10	3,031	500	47073.003.390
50	8.02	3.40	2.30	52.80	3,556	350	47073.003.392
70	9.58	3.40	2.40	54.40	4,439	350	47073.003.394
95	11.30	3.40	2.50	59.00	5,574	350	47073.003.396
120	12.78	3.40	2.70	62.50	6,581	350	47073.003.398
150	14.10	3.40	2.80	66.00	7,660	250	47073.003.400
185	15.73	3.40	2.90	70.10	9,081	250	47073.003.401
240	18.04	3.40	3.10	76.20	11,224	250	47073.003.402
300	20.36	3.40	3.20	81.60	13,521	250	47073.003.403
400	23.10	3.40	3.50	87.90	16,571	250	47073.003.404

FOREX CABLE 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 - 3 CONDUCTORS

25	5.85	4.50	2.30	53.10	3,042	500	47074.003.388
35	6.80	4.50	2.40	53.20	3,511	500	47074.003.390
50	8.02	4.50	2.50	55.80	4,065	350	47074.003.392
70	9.58	4.50	2.60	60.20	5,036	350	47074.003.394
95	11.30	4.50	2.70	64.40	6,160	300	47074.003.396
120	12.78	4.50	2.80	67.70	7,170	250	47074.003.398
150	14.10	4.50	2.90	71.20	8,273	250	47074.003.400
185	15.73	4.50	3.10	76.00	9,834	250	47074.003.401
240	18.04	4.50	3.20	81.40	11,930	250	47074.003.402
300	20.36	4.50	3.40	87.00	14,312	250	47074.003.403

FOREX CABLE 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 - 3 CONDUCTORS

35	6.80	5.50	2.50	58.40	4,028	350	47075.003.390
50	8.02	5.50	2.60	61.00	4,598	350	47075.003.392
70	9.58	5.50	2.70	65.00	5,551	300	47075.003.394
95	11.30	5.50	2.90	69.30	6,738	250	47075.003.396
120	12.78	5.50	3.00	72.60	7,774	250	47075.003.398
150	14.10	5.50	3.10	76.50	8,973	250	47075.003.400
185	15.73	5.50	3.20	80.70	10,473	250	47075.003.401
240	18.04	5.50	3.40	86.40	12,649	250	47075.003.402
300	20.36	5.50	3.50	91.40	15,036	250	47075.003.403



Forex 3C

6 to 35 kV Copper 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	

COPPER - 3 CONDUCTORS

50	8.02	6.8	2.8	67.3	5,309	300	47076.003.392
70	9.58	6.8	2.9	71.3	6,297	250	47076.003.394
95	11.30	6.8	3.1	76.1	7,597	250	47076.003.396
120	12.78	6.8	3.2	79.4	8,670	250	47076.003.398
150	14.10	6.8	3.3	82.9	9,847	250	47076.003.400