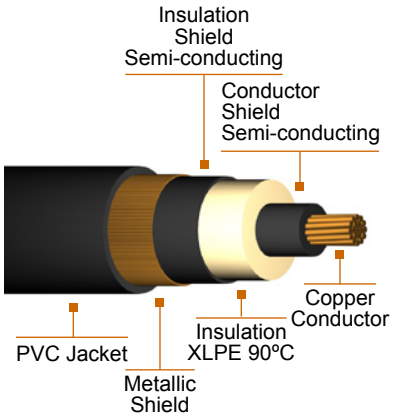
Forex 1C

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



Detail Description or Construction

Type Forex is a single insulated conductor of stranded annealed copper, 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 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 - 1 CONDUCTOR							
10	3.71	2.50	1.40	17.30	346	1	47072.001.384
16	4.65	2.50	1.40	18.40	422	1.5	47072.001.386
25	5.85	2.50	1.40	19.70	528	1.2	47072.001.388
35	6.80	2.50	1.40	20.90	635	1.2	47072.001.390
50	8.02	2.50	1.40	22.00	768	1	47072.001.392
70	9.58	2.50	1.40	23.80	996	1	47072.001.394
95	11.30	2.50	1.50	26.00	1,292	1	47072.001.396
120	12.78	2.50	1.50	27.50	1,554	700	47072.001.398
150	14.10	2.50	1.60	29.30	1,853	500	47072.001.400
185	15.73	2.50	1.60	31.20	2,235	500	47072.001.401
240	18.04	2.60	1.70	34.20	2,817	400	47072.001.402
300	20.36	2.80	1.80	37.40	3,484	350	47072.001.403
400	23.10	3.00	1.90	40.80	4,361	250	47072.001.404
500	26.22	3.20	2.00	45.20	5,459	250	47072.001.405

6 to 35 kV Copper 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	
COPPER - 1 CONDUCTOR							
16	4.65	3.40	1.40	20.40	472	1.2	47073.001.386
25	5.85	3.40	1.40	21.70	582	1	47073.001.388
35	6.80	3.40	1.40	22.80	696	1	47073.001.390
50	8.02	3.40	1.40	24.00	832	1	47073.001.392
70	9.58	3.40	1.50	26.00	1,075	1	47073.001.394
95	11.30	3.40	1.60	28.20	1,378	600	47073.001.396
120	12.78	3.40	1.60	29.70	1,644	500	47073.001.398
150	14.10	3.40	1.70	31.50	1,948	400	47073.001.400
185	15.73	3.40	1.70	33.40	2,336	400	47073.001.401
240	18.04	3.40	1.80	36.10	2,914	350	47073.001.402
300	20.36	3.40	1.90	38.90	3,568	250	47073.001.403
400	23.10	3.40	2.00	41.90	4,426	250	47073.001.404
500	26.22	3.40	2.10	45.80	5,505	250	47073.001.405

6 to 35 kV Copper 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	
COPPER - 1 CONDUCTOR							
25	5.85	4.50	1.40	24.10	661	1000	47074.001.388
35	6.80	4.50	1.50	25.50	787	1000	47074.001.390
50	8.02	4.50	1.50	26.60	928	1000	47074.001.392
70	9.58	4.50	1.60	28.70	1,178	600	47074.001.394
95	11.30	4.50	1.60	30.60	1,476	500	47074.001.396
120	12.78	4.50	1.70	32.30	1,759	450	47074.001.398
150	14.10	4.50	1.70	33.90	2,054	450	47074.001.400
185	15.73	4.50	1.80	36.00	2,464	350	47074.001.401
240	18.04	4.50	1.90	38.80	3,052	300	47074.001.402
300	20.36	4.50	1.90	41.30	3,698	250	47074.001.403
400	23.10	4.50	2.00	44.30	4,566	250	47074.001.404
500	26.22	4.50	2.10	48.20	5,654	250	47074.001.405

6 to 35 kV Copper 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	
COPPER - 1 CONDUCTOR							
35	6.80	5.5	1.6	27.9	881	700	47075.001.390
50	8.02	5.5	1.6	29.1	1,023	600	47075.001.392
70	9.58	5.5	1.6	30.9	1,267	500	47075.001.394
95	11.30	5.5	1.7	33.0	1,584	600	47075.001.396
120	12.78	5.5	1.8	34.7	1,873	500	47075.001.398
150	14.10	5.5	1.8	36.3	2,172	500	47075.001.400
185	15.73	5.5	1.9	38.5	2,589	450	47075.001.401
240	18.04	5.5	1.9	41.0	3,169	400	47075.001.402
300	20.36	5.5	2.1	44.0	3,858	300	47075.001.403
400	23.10	5.5	2.1	46.7	4,717	250	47075.001.404
500	26.22	5.5	2.2	50.7	5,820	250	47075.001.405

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

FOREX CABLE 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	6.8	1.7	32.1	1,157	700	47076.001.392
70	9.58	6.8	1.7	33.9	1,406	600	47076.001.394
95	11.30	6.8	1.8	36.1	1,731	500	47076.001.396
120	12.78	6.8	1.8	37.6	2,011	450	47076.001.398
150	14.10	6.8	1.9	39.4	2,334	450	47076.001.400
185	15.73	6.8	2.0	41.5	2,760	350	47076.001.401
240	18.04	6.8	2.0	44.1	3,348	300	47076.001.402
300	20.36	6.8	2.1	46.8	4,029	250	47076.001.403
400	23.10	6.8	2.2	49.8	4,918	250	47076.001.404
500	26.22	6.8	2.3	53.7	6,037	250	47076.001.405

Forex 1C

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

FOREX CABLE 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	8.8	1.8	36.8	1,375	700	47078.001.392
70	9.58	8.8	1.9	38.8	1,653	600	47078.001.394
95	11.30	8.8	1.9	40.7	1,974	600	47078.001.396
120	12.78	8.8	2.0	42.4	2,281	500	47078.001.398
150	14.10	8.8	2.0	44.0	2,595	500	47078.001.400
185	15.73	8.8	2.1	46.2	3,034	400	47078.001.401
240	18.04	8.8	2.2	48.9	3,658	350	47078.001.402
300	20.36	8.8	2.2	51.4	4,336	250	47078.001.403
400	23.10	8.8	2.4	54.6	5,265	250	47078.001.404
500	26.22	8.8	2.4	55.7	5,570	250	47078.001.405