NFA2X(T2X)

Cabluri aeriene torsadate cu conductoare de aluminiu si otel – aluminiu, izolate in polietilena reticulata 0.6/1 kV

Aerial Bundled Cables with aluminium and steel-aluminium conductors with XLPE insulation 0.6/1 kV

CARACTERISTICI

Standard de referinta: SR CEI 60502-1; SR HD 626 S1
Tensiune nominala U0/U(Um): 0.6/1(1.2) kV
Tensiunea de incercare: 4 kV, 50 Hz, timp de 5 minute.
Temp. maxima conductorului in functionare normala: +90°C
Temp. maxima a conductorului in scurt-circuit(max.5 s): +250°C
Temperatura mediului ambient:
- la pozare: -10°C....+50°C
- in exploatare: -40°C....+90°C
* Cablurile sunt cu rezistenta la UV
* Rezistent la intemperii
* Rezistenta la propagarea flacarii
Raza minima de curbura la instalare:
-10 x diametru cablului
Modalitate de ambalare: Colaci de min.50 m lungime sau tamburi

CARACTERISTICS

Reference standard: SR CEI 60502-1
Rated voltage: U0/U(Um): 0.6/1(1.2) kV
Test voltage: 4 kV, 50 Hz, for 5 minutes.
Maximum conductor temperature in normal operation: +90°C
Max. conductor temperature in short-circuit (max 5 s):+250°C
Ambiental temperature:
- during instalation: -5°C....+50°C
- in use: -40°C....+90°C
* UV resistant cables
* Weather resistant
* Flame retardant
Min. bending radius at installation:
-10 x cable diameter
Packaging: Coils of min. 50 m length or drums

DOMENIU DE UTILIZARE

Cablurile se utilizeaza la bransamentele electrice monofazate sau trifazate, la realizarea retelelor trifazate de alimentare si a retelelor monofazate, bifazate sau trifazate de iluminat public. Cablurile se monteaza pe stalpi si pe fatadele cladirilor, in aer liber (sub actiunea directa a razelor solare, a ploii si variatiilor de temperatura). Utilizarea lor este permisa numai in mediile in care izolatia nu este atacata de agenti corozivi ca: acetona, ciclohexanona.

UTILIZATION

This cables are used for single-phase or three-phase electric joints, for the realization of three-phase power networks and single-phase, biphased or three-phase networks of public lighting. They are mounted on the pillars and facades of buildings, in the open air (under the direct action of solar rays, rain and temperature variations). The use of this cables is allowed only in environments where the insulation is not attacked by corrosive agents such as acetone, cyclohexanone.

CONSTRUCTIE

Conductor de aluminiu:
Conductor de faza, neutru sau iluminat, unifilar (RU) multifilar din aluminiu (RM) si/sau conductorul de nul otel-aluminiu, multifilar (RM) conf. SR EN 60228.
Izolatia: Polietilena reticulata (XLPE) black
Infuniere: Conductoarele izolate sunt infuniate conform SR HD 626 S1
Marcare conductori:
- L1, L2, L3 si sectiunea pentru conductoarele de fază
- PEN, N sau PE si sectiunea pentru conductorul neutru, funcţie de destinaţia acestuia
- IL1, IL2, sau IL3 si sectiunea pentru conductoarele destinate serviciilor auxiliare (de regulă, iluminat public).
Inscripţionarea face pe izolaţia conductorului neutru. Ea cuprinde: numele fabricantului, denumirea tipului conform standardului, tensiunea nominală, secţiunea, anul fabricaţiei, marcajele de lungime cu indicaţii în metri si marcajul de conformitate "CE".

CONSTRUCTION

Aluminum conductor:
Phase/Neutral or public lightning conductors Unifilar-RU round aluminum conductor, multiwire (RM), and/or steelaluminum null conductor (RM) according SR EN 60228.
Insulation: Cross linked polyethylene (XLPE) black
Laying up: Insulated conductors are twisted according SR HD 626 S1
Conductors marking:
L1, L2, L3 and cross section for phase conductors
- PEN, N or PE and cross section for the neutral conductor

- IL1, IL2, IL3 and cross section for the auxiliary phases conductors (public lighting).
The inscription is made on the insulation of the neutral conductor. It will contain: The producer, name of the cable acc. to the standard, rated voltage, cross section, year of production, length markings (m) and the conformity marking "CE".

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Caracteristici conductori/Conductors caracteristics

Sectiune conductor/ Conductor cross section	Rezisitenta electrica, 20°C/ Electrical resistance,20°C (Ohm/km)	Sarcina admisibila/ Permissible Charge (A)	Nr. minim de sarme/ Minimum nr. of wires in condcutor	Diametru conductor/ Conductor diameter (mm)	Grosime nominala izolatie/ Nominal insulation thickness(mm)	Forta de rupere Breaking Strength (KN)	Diametru exterior max./ Max. external diameter (mm)
Aluminium Conductors							
10 RU	3.08	70	1	3.7	1.1	1.54	5.9
16 RU	1.91	90	1	4.5	1.1	2.40	6.7
16 RM	1.91	90	7	4.9	1.1	2.84	7.1
25 RU	1.2	107	1	5.6	1.3	3.70	8.2
25 RM	1.2	107	7	6.4	1.3	4.17	9.0
35 RM	0.868	132	7	7.2	1.3	5.78	9.8
50 RM	0.641	165	7	8.3	1.5	7.20	11.3
70 RM	0.443	205	12	9.7	1.5	12.40	12.7
95 RM	0.320	240	18	11.7	1.8	16.76	15.3
Steel-Aluminium Conductors							
50/8 RM	0.595	165	6/1	9.5	1.5	16.70	12.5
70/OL-AL RM	0.413	205	6/1	11	1.5	25.77	13.5

Caracteristici conductori/Conductors caracteristics

Cod PGA/ PGA Code	Numar de faze x Sectiunea/ Number of phases x Cross section (mm2)	Masa inf./ Mass inf. (kg/km)	Diametru exterior/ External diameter (mm)	Raza minima de curbura/ Minimum bending radius (mm)
Cabluri cu conductori de AL/Cables with AL Conductors				
PGA015062	1x16 RU	60	6.6	66
PGA013991	1x25 RU	90	8.1	81
PGA015071	1x35 RM	115	9.6	96
PGA000556	1x70 RM	220	12.7	127
PGA014190	2x16 RU	115	13.2	132
PGA013903	2x25 RU	175	16.2	162
PGA000602	2x35 RM	235	19.2	192
PGA026322	1x16 RU+1x10 RU	100	12.5	125
PGA013865	1x16 RU+1x25 RU	145	14.7	147
PGA013902	2x16 RU+1x25 RU	210	15	150
PGA000601	2x25 RU+1x16 RU	235	16.5	165
PGA014112	3x16 RU	175	14.2	142
PGA013866	3x16 RU+1x25 RU	260	16	160
PGA000559	3x16 RU+2x25 RU	350	18	180
PGA013867	3x25 RU+1x16 RU	320	19.5	195
PGA038313	3x25 RU+1x35 RM	380	19.5	195
PGA037235	3x35 RM+1x16 RU	410	22.5	225

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PGA040215	3x35 RM+1x50 RM+1x25 RU	595	29.5	295
PGA040191	3x35 RM+1x50 RM	510	22.5	225
PGA040207	3x50 RM+1x70 RM+1x25 RU	780	34	340
PGA040184	3x50 RM+1x70 RM	690	39	390
PGA040183	3x70 RM+1x95 RM	952	30	300
PGA013904	4x16 RU	235	16	160
PGA013905	4x25 RU	350	19	190
PGA000566	4x35 RM	470	23	230
PGA038307	4x50 RM	635	26	260
PGA000564	4x16 RU+1x25 RU	320	18	180
PGA029553	4x95 RM+2x25 RU	1.380	44	440
PGA013906	5x16 RU	290	18	180
PGA000568	5x25 RU	440	22	220
	Cabluri cu conductori de 50/8 OL-AL + AL /Cables with 50/8 OL-AL +Al Conductors			
PGA013908	1x50/8 RM	220	12	120
PGA013868	1x50/8 RM+1x16 RU	270	18	180
PGA013869	1x50/8 RM+1x25 RU	300	19.5	195
PGA013870	1x50/8 RM+1x35 RM	330	21	210
PGA013993	1x50/8 RM+1x50 RM	370	22.5	225
PGA018002	1x50/8 RM+1x16 RU+1x25 RU	360	18	180
PGA013992	1x50/8 RM+1x35 RM+1x16 RU	390	22	220
PGA000611	1x50/8 RM+2x16 RU	330	18	180
PGA019192	1x50/8 RM+2x25 RU	390	20	200
PGA000613	1x50/8 RM+2x35 RM	445	22	220
PGA013976	1x50/8 RM+2x50 RM	530	24	240
PGA000614	1x50/8 RM+3x16 RU	385	19	190
PGA013909	1x50/8 RM+3x25 RU	475	22	220
PGA013871	1x50/8 RM+3x35 RM	565	24	240
PGA013910	1x50/8 RM+3x50 RM	690	27	270
PGA013913	1x50/8 RM+3x70 RM	865	29	290
PGA013919	1x50/8 RM+3x95 RM	1.115	33	330
PGA020696	1x50/8 RM+3x16 RU1x25 RU	475	21	210
PGA000616	1x50/8 RM+3x25 RU + 1x16 RU	535	24	240
PGA007705	1x50/8 RM + 3x25 RU + 2x16 RU	590	26	260
PGA013872	1x50/8 RM+3x35 RM + 1x16 RU	630	27	270
PGA013874	1x50/8 RM+3x35 RM + 1x25 RU	650	27	270
PGA029364	1x50/8 RM+3x35 RM + 1x50 RM	720	28	27
PGA000620	1x50/8 RM + 3x35 RM + 2x16 RU	680	29	290
PGA013984	1x50/8 RM + 3x35 RM + 2x25 RU	740	30	300
PGA022573	1x50/8 RM + 3x35 RM + 3x16 RU	740	31	310
PGA013911	1x50/8 RM+3x50 RM + 1x16 RU	745	30	300
PGA013875	1x50/8 RM+3x50 RM + 1x25 RU	775	30	300

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PGA013912	1x50/8 RM+3x50 RM + 1x35 RM	805	30	300
PGA013985	1x50/8 RM + 3x50 RM + 2x16 RU	805	31	310
PGA013986	1x50/8 RM + 3x50 RM + 2x25 RU	860	33	330
PGA007706	1x50/8 RM + 3x50 RM + 2x35 RM	920	34	340
PGA013910	1x50/8 RM + 3x50 RM + 3x35 RM	1.035	35	350
PGA013876	1x50/8 RM+3x70 RM + 1x16 RU	920	33	330
PGA013877	1x50/8 RM+3x70 RM + 1x25 RU	950	33	330
PGA013878	1x50/8 RM+3x70 RM + 1x35 RM	980	33	330
PGA013880	1x50/8 RM + 3x70 RM + 2x16 RU	975	33	330
PGA013914	1x50/8 RM + 3x70 RM + 2x25 RU	1.040	35	350
PGA013915	1x50/8 RM + 3x70 RM + 2x35 RM	1.095	37	370
PGA013917	1x50/8 RM + 3x70 RM + 3x16 RU	1.035	34	340
PGA013913	1x50/8 RM + 3x70 RM + 3x25 RU	860	30	300
PGA013920	1x50/8 RM+3x95 RM + 1x16 RU	1.170	37	370
PGA013987	1x50/8 RM+3x95 RM + 1x25 RU	1.200	38	380
PGA013921	1x50/8 RM+3x95 RM + 1x35 RM	1.230	38	380
PGA013922	1x50/8 RM+3x95 RM + 1x50 RM	1.270	38	380
PGA013988	1x50/8 RM + 3x95 RM + 2x16 RU	1.230	37	370
PGA013989	1x50/8 RM + 3x95 RM + 2x25 RU	1.290	38	380
PGA007708	1x50/8 RM + 3x95 RM + 2x35 RM	1.350	40	400
PGA019879	1x50/8 RM + 3x95 RM + 3x16 RU	1.290	37	370
PGA034752	1x50/8 RM + 3x95 RM + 3x25 RU	1.380	39	390
PGA000664	1x50/8 RM+4x16 RU	445	21	210
PGA023485	1x50/8 RM+4x25 RU	565	24	240
	Cabluri cu conductori de 70 OL-AL + AL /Cables with 70/11 OL-AL + Al Conductors			
PGA	1x70 OL-AL RM	290	13	130
PGA034417	1x70 OL-AL /11 RM+3x50 RM	765	28	280
PGA000644	1x70 OL-AL RM+3x70 RM	940	31	310
PGA000648	1x70 OL-AL RM+3x95 RM	1.190	34	340
PGA015278	1x70 OL-AL RM+3x35 RM + 1x25 RU	730	28	280
PGA034416	1x70 OL-AL RM+3x50 RM + 1x25 RU	850	31	310
PGA034417	1x70 OL-AL RM + 3x50 RM + 2x25 RU	940	28	280
PGA013975	1x70 OL-AL RM+3x70 RM + 1x16 RU	995	34	340
PGA013881	1x70 OL-AL RM+3x70 RM + 1x25 RU	1.030	34	340
PGA014649	1x70 OL-AL RM+3x70 RM + 1x35 RM	1.055	34	340
PGA014964	1x70 OL-AL RM + 3x70 RM + 2x16 RU	1.055	34	340
PGA000644	1x70 OL-AL RM + 3x70 RM + 2x25 RU	1.115	36	360
PGA040489	1x70 OL-AL RM+3x95 RM + 1x16 RU	1.250	38	380
PGA029016	1x70 OL-AL RM+3x95 RM + 1x25 RU	1,280	38	380
PGA007710	1x70 OL-AL RM+3x95 RM + 1x35 RM	1.310	38	380
PGA040490	1x70 OL-AL RM + 3x95 RM + 2x16 RU	1.310	38	380
PGA021427	1x70 OL-AL RM + 3x95 RM + 2x25 RU	1.3670	39	390