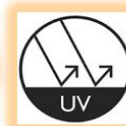
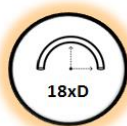
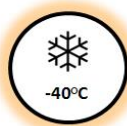
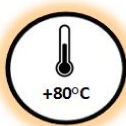
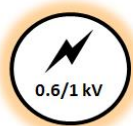


# T2X



## Conductoare de aluminiu si otel –aluminiu, izolate in polietilena reticulata, rasucite in fascicul (torsadate)

## Bundle assembled aerial cables, XLPE-insulated



**Standard de fabricatie:** ST 125; SR HD 626 S1

**Tensiune nominala  $U_0/U$ :** 0.6/1 (1.2) kV

**Tensiune de incercare:** 4 kV ca, 50 Hz, 5 min

### Domeniul de utilizare

Sunt destinate realizarii retelelor electrice de distributie, linii electrice aeriene, cu tensiuni nominale de  $U_0/U$  0.6/1 kV

**Temperatura minima de instalare pe cablu:** -10°C

**Temperatura max de lucru:** +80°C

**Temperatura min a cablului dupa pozare:** -40°C

**Temperatura maxima de scurt-circuit (max.5 sec):** +250°C

### Conductor de faza

Conductor de faza, neutru sau iluminat, unifilar (re) multifilar din aluminiu (rm)

### Conductor de nul:

Otel-aluminiu, multifilar (rm)

### Izolatie

Polietilena reticulata, tip TIX 2.

### Culoare izolatie

Neagra

### Marcaj

- Conductorul purtator de OL-Al este marcat cu 6 dungii in relief pe toata lungimea de fabricatie asociat cu marcajul PEN.
- Conductoarele de faza ale retelei de distributie pentru abonatii casnici sunt marcate cu: L1; L2; L3
- Conductoarele de iluminat public sunt marcate cu: IP1; IP2; IP3
- Conductoarele de bransament sunt marcate cu: B0; B1; B2; B3

**Rated voltage  $U_0/U$ :** 0,6/1 (1.2) kV

**Test voltage:** 4 kV ac, 50Hz, 5 min

### Applications

Power distribution networks, electric airlines lines, with rated voltages up to  $U_0/U$  0,6/1 kV.

**Min. cable temperature during laying:**

-10°C

**Highest operational temperature:** +80°C

**Min. operational temperature:** -40°C

**Max. short-circuit temperature (max. 5 sec):** +250°C

### Phase conductor

Solid conductor (re) (section  $\leq 16 \text{ mm}^2$ ), concentrically stranded aluminium conductor (rm)

### Null conductor

Concentrically stranded steel-aluminum conductor (rm)

### Insulation

Crosslinked polyethylene, TIX 2 type.

### Insulation color

Black

### Markings

- The steel – aluminum conductor will be marked with six protruding stripes running along the entire production length combined with the verbal marking PEN.
- The phase conductors of the private subscriber distribution network will be marked L1; L2; L3
- The public lighting conductors will be marked IP1, IP2, IP3
- The connection conductors will be marked with B0; B1; B2; B3

**Production standard:** ST 125; SR HD 626 S1

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<b>Sectiune conductor</b> <i>Conductor cross-section</i>	<b>Rezistenta electrica max la 20°C</b> <i>Electric resistance at 20° C, max.</i>	<b>Sarcina admisibila</b> <i>Permissible charge</i>	<b>Nr min de sarme din conductor</b> <i>No. of wires in conductor, min.</i>	<b>Gros rad izolatii nom</b> <i>Nominal radial insulation thickness</i>	<b>Forta de rupere</b> <i>Breaking strength</i>	<b>Diam ext nominal</b> <i>Nominal outer diam.</i>
	$\Omega/\text{km}$	A		mm	kN	mm
10	3.08	70	1	1.1	1.6	5.8
16	1.91	90	1	1.1	2.4	7.2
25	1.2	107	7	1.3	3.7	9.0
35	0.868	132	7	1.3	5.2	9.6
50	0.641	165	7	1.5	7.2	11.1
70	0.443	205	14	1.5	12.4	12.7
95	0.32	240	19	1.7	16.8	14.8
<b>Conductor neutru 50/8</b>	0.595	165	6/1	1.5	16.8	11.9
<b>70/12</b>	0.413	205	26/7	1.5	25.77	12.7
<b>95/15</b>	0.320	240	26/7	1.7	33.72	14.8

<b>Tip cablu</b> <i>Cable type</i>	<b>Masa totala a cablului, inf.</b> <i>Total cable mass, inf.</i>	<b>Tip cablu</b> <i>Cable type</i>	<b>Masa totala a cablului, inf.</b> <i>Total cable mass, inf.</i>
	kg/km		kg/km
T2X 10Al+16 Al	101	T2X 50 OL-Al+3x35Al +2x16Al	747
T2X 16Al+25 Al	153	T2X 50 OL-Al+3x35Al+3x16Al	813
T2X 2x10Al	86	T2X 50 OL-Al+3x35Al+1x35Al	746
T2X 2x10Al+16Al	142	T2X 50 OL-Al+1x50Al	405
T2X 2x16Al	118	T2X 50 OL-Al+3x50Al	745
T2X 2x25Al	188	T2X 50 OL-Al+3x50Al +1x16Al	804
T2X 3x16Al+25Al	271	T2X 50 OL-Al+3x50Al+2x16Al	863
T2X 3x25Al +16Al	345	T2X 50 OL-Al+3x50Al+3x16Al	924
T2X 3x35Al	464	T2X 50 OL-Al+3x50Al +1x25Al	839
T2X 4x10Al	172	T2X 50 OL-Al+3x50Al+3x25Al	1032
T2X 4x16Al	250	T2X 50 OL-Al+3x50Al +1x35Al	869

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Tip cablu <i>Cable type</i>	Masa totala a cablului, inf. <i>Total cable mass, inf. kg/km</i>	Tip cablu <i>Cable type</i>	Masa totala a cablului, inf. <i>Total cable mass, inf kg/km</i>
T2X 4x25Al	376	T2X 50 OL-Al+3x70Al	931
T2X 50 OL-Al+1x16Al	307	T2X 50 OL-Al+3x70Al+1x16Al	990
T2X 50 OL-Al+2x10Al	332	T2X 50 OL-Al+3x70Al+2x16Al	1050
T2X 50 OL-Al+2x16Al	370	T2X 50 OL-Al+3x70Al+3x16Al	990
T2X 50 OL-Al+3x16Al	435	T2X 50 OL-Al+3x70Al+1x25Al	1024
T2X 50 OL-Al+3x16Al+1x16Al	500	T2X 50 OL-Al+3x70Al+2x25Al	1119
T2X 50 OL-Al+3x16Al+1x25Al	527	T2X 50 OL-Al+3x70Al+1x35Al	1061
T2X 50 OL-Al+25Al	339	T2X 50 OL-Al+95Al	561
T2X 50 OL-Al+2x25Al	432	T2X 50 OL-Al+3x95Al	1205
T2X 50 OL-Al+3x25Al	526	T2X 50 OL-Al+3x95Al+1x16Al	1263
T2X 50 OL-Al+3x25Al+1x25Al	620	T2X 50 OL-Al+3x95Al+2x16Al	1322
T2X 50 OL-Al+1x35Al	368	T2X 50 OL-Al+3x95Al+3x16Al	1382
T2X 50 OL-AL+2x35Al	492	T2X 50 OL-Al+3x95Al+1x25Al	1300
T2X 50 OL-AL+3x35Al	618	T2X 50 OL-Al+3x95Al+2x25Al	1387
T2X 50 OL- AL+3x35Al+1x16Al	678	T2X 50 OL-Al+3x95Al+1x35Al	1330
50OL-Al+3x70Al	940	50OL-Al+3x70Al+2X16AL	1071
50OL-Al+3x70Al+35AL	1065		
50OL-Al+3x70Al+2x35AL	1195	50OL-Al+3x70Al+1X16AL	1006
50OL-Al+3x70Al+25AL	1035	50OL-Al+3x70Al+3X16AL	1136
50OL-Al+3x70Al+2x25AL	1135	50OL-Al+3x95Al+2X16AL	1353
50OL-Al+3x70Al+3x25AL	1195	95OL-Al+3x95Al+2x16RUAL	1550
70/12OL-Al+3x70Al+2x25AL	1247	95OL-Al+3x95Al+1x35Al	1556
70/12OL-Al+3x70Al	1055	95OL-Al+3x95Al+2x25Al	1622
50OL-Al+3x70Al+50Al	1110		