



CONSTRUCTION

- 1 Conductor:** Bare aluminum, alloy 1350, compacted circular stranded (Class 2), longitudinally water-blocked.
- 2 Conductor Shield:** Thermosetting semiconducting compound – 90°C.
- 3 Covering:** Thermosetting cross-linked polyethylene compound (XLPE) – 90°C, resistant to electrical tracking.

IDENTIFICATION

INDUGREX –TR cables are normally supplied in gray color.

APPLICATION

Used for overhead power distribution at voltages of 25 kV and 35 kV between phases, where installation space is limited. Although considered a non-insulated conductor, it features a covering resistant to short-circuits and discharges caused by contact with tree branches and moisture (resistant to electrical tracking). It can also be used with other cables in spacer configurations, occupying minimal space (compact network), which is very useful in congested areas.

PACKAGING

Normally supplied on wooden reels.

SPECIFICATIONS

INDUGREX-AL TR cables meet or exceed all applicable specifications, especially those set by the following standards:

- **NBR 11873** - Overhead cables covered with XLPE, for use in tree-lined areas with voltages of 25 kV and 35 kV.
- **ASTM D 21323** - Standard test method for dust - and - fog tracking and erosion resistance of electrical insulating materials.

INDUGREX – AL / SCI TR CABLE 25 kV

Reference	Nominal Cross-sectional Area (mm ²)	Nominal Conductor Diameter (mm)	Covering		Nominal Net Weight (kg/km)
			Nominal Covering Thickness (mm)	Nominal Overall Diameter (mm)	
1446.01.015	35	7,10	4,0	16,3	256
1446.01.016	50	8,30		17,5	305
1446.01.017	70	9,90		19,1	386
1446.01.018	95	11,7		20,9	481
1446.01.019	120	13,2		22,4	568
1446.01.020	150	14,5		23,7	658
1446.01.021	185	16,3		25,5	787
1446.01.022	240	18,5		27,7	969
1446.01.023	300	20,7		29,7	1156

INDUGREX – AL / SCI TR CABLE 35 kV

Reference	Nominal Cross-sectional Area (mm ²)	Nominal Conductor Diameter (mm)	Covering		Nominal Net Weight (kg/km)
			Nominal Covering Thickness (mm)	Nominal Overall Diameter (mm)	
1447.01.017	70	9,90	7,6	26,3	625
1447.01.018	95	11,7		28,1	738
1447.01.019	120	13,2		29,6	841
1447.01.020	150	14,5		30,9	945
1447.01.021	185	16,3		32,7	1093
1447.01.022	240	18,5		34,9	1298
1447.01.023	300	20,5		36,9	1506