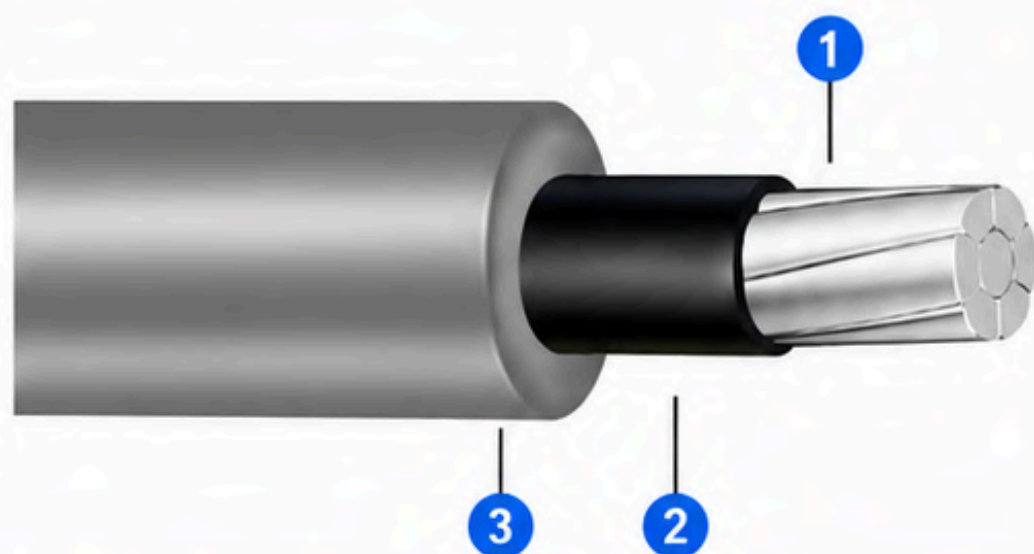




CONSTRUCTION

- 1 Conductor:** Aluminum, Class 2 stranded compacted, 1350, with circular cross-section, according to electrical penetration blocking.
- 2 Conductor Shield:** 90 °C thermosetting semiconductor compound.
- 3 Cover:** Reticulated polyethylene (XLPE) thermoset compound, 90 °C, resistant to electrical treeing.

IDENTIFICATION

INDUGREX-TR CABLES are normally marked on the outer sheath.

APPLICATION

Used for the distribution of energy in 25kV and 35kV systems in which it is required, in either compact or non-insulated installation, for fixed laying in trenches, ducts, or cable trays. Considered as a non-insulated cable, it can be installed in tree areas and routes subject to limited space, where the minimum compactness of the configuration defined by occupancy spaces (free compact) is required, which is very common in areas congested by vegetation.

CONDITIONING

Normally supplied in wooden reels.

SPECIFICATIONS

INDUGREX-AL TR cables meet or exceed all the applicable provisions, especially those of the following standards:

NBR 11873 - XLPE insulated aerial cables for use in 25kV and 35kV regions.

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)	Insulation		Nominal Net Weight (kg/km)
			Nominal Insulation 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)	Insulation		Nominal Net Weight (kg/km)
			Nominal Insulation 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	1,093
1447.01.022	240	18.5		34.9	1,298
1447.01.023	300	20.5		36.9	1,506