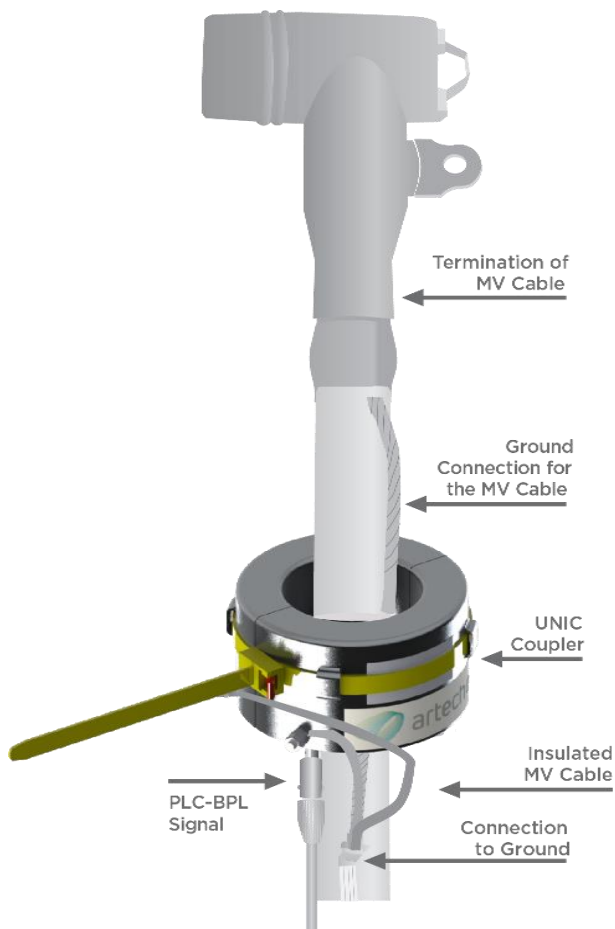


## comART UNIC-T

The UNIC-T is an MV PLC/BPL inductive coupler for insulated underground medium voltage cables, used for the transmission of signals on a frequency range from 2 MHz to 40 MHz.



### APPLICATIONS

- > Arteche PLC / BPL coupling devices are essential components to deploy telecommunications networks over medium voltage power lines.
- > A highly reliable, versatile, scalable technology that supports the most advanced distribution automation applications, such as Advanced Metering Infrastructure (AMI), operation management, Fault Location, Isolation and Service Restoration (FLISR), Demand Response (DR) and other advanced functions.

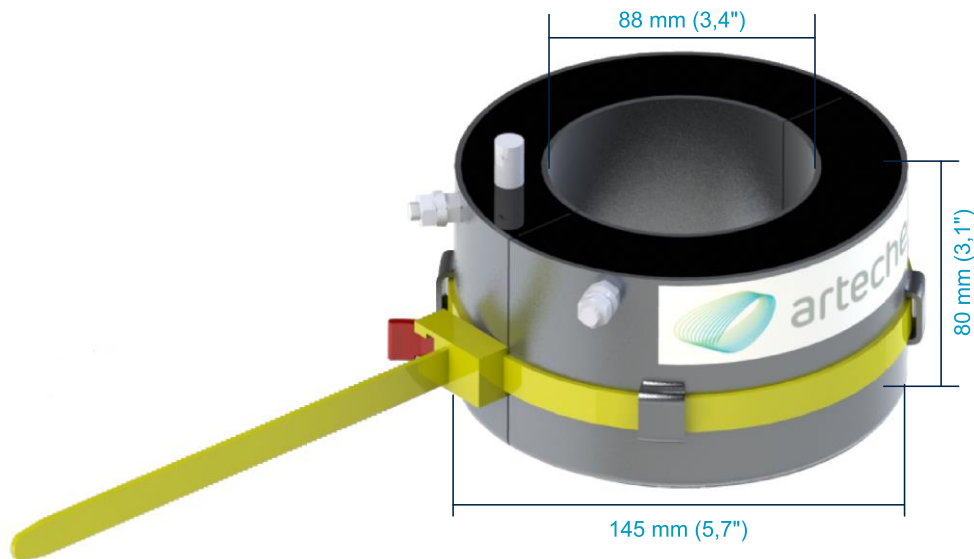
### MAIN FEATURES

- > Quick and easier installation: the insulation of the external cover enables us to have a quick and easy installation.
- > Low intersection losses <3dB in all the frequency range (2-40 MHz).
- > Compact device: the BNC connector is integrated in the coupler.
- > Maximum quality, reliability and performance guaranteed.
- > Higher electrical safety: 5 kV insulation.

## TECHNICAL SPECIFICATIONS

Electric characteristics	
Nominal voltage	24kV-36kV insulated cable
Coupling mode	Phase-to-phase, Phase-to-earth
Cable diameter	<83mm. (<3.27")
Frequency range	2MHz-40MHz
Nominal impedance in the equipment side	50 Ω
Insertion losses	<3 dB
Insulation resistance	>100 MΩ
Dielectric strength	5 kV
Nominal current 50Hz	300 A
Shortcircuit current 50Hz	20 kA / 1 s
Dynamic current 50Hz	50 kA
Operating temperature	From -25°C to +55°C (EEN60870-2-2 Class C2)
Storage temperature	From -40°C to +70°C (EEN60870-2-2 Class C3)
Relative humidity	From 10 to 100% (EEN60870-2-2)
Connection to communication terminal	Built-in BNC connector
Connection to earth	M6 screw
Operating conditions	Indoor service. Outdoor services by request

## DIMENSIONS



UNIC-T	
External diameter	145 mm • 5.7"
Internal diameter	88 mm • 3.4"
Height	80 mm • 3.1"
Weight	3.000 g • 6.61 lb