

comART PLUGCAP

PLC/ BPL capacitive coupling solution
comART PLUGCAP has been specially
designed for GIS Ring Main Units (RMU),
switchgear & controlgear power line
communications purposes,
up to 24 kV.

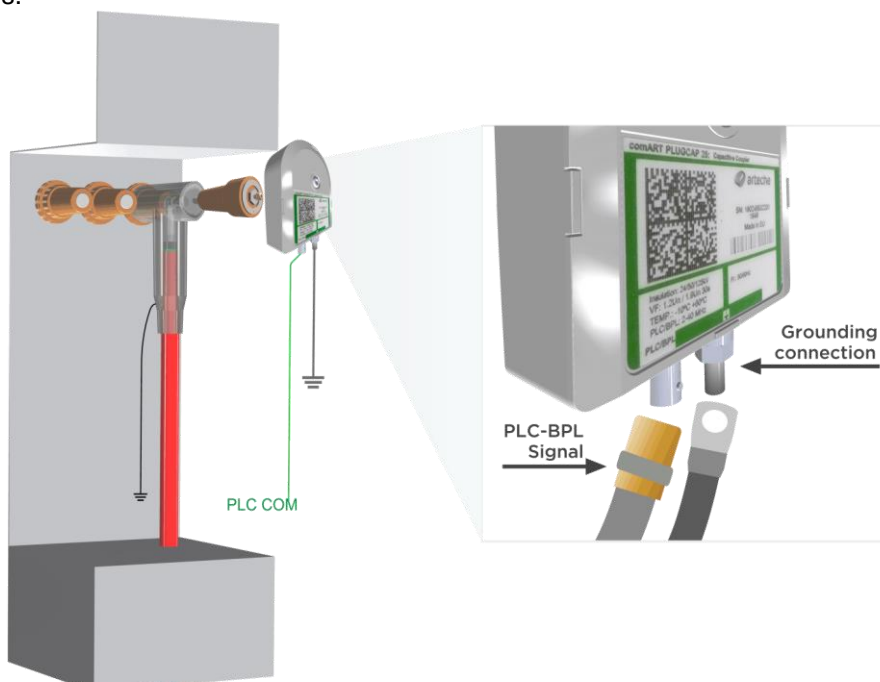


APPLICATIONS

- > 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 smart grid functions, such as Advanced Metering Infrastructure (AMI), operation management, Fault Location, Isolation and Service Restoration (FLISR), Demand Response (DR) and other advanced distribution automation applications.

MAIN FEATURES

- > Capacitive coupling solution for underground MV power lines. Up to 25 kV.
- > Reduced size and lightweight
- > A solution that assures the quality, reliability and safety of the use of MV network for communication purposes.
- > A full range of tests applied to guarantee the maximum safety.
- > Arteche offers a full range of couplers for different applications (indoor, outdoor, cabinets).



TECHNICAL SPECIFICATIONS

Electrical Characteristics

Insulation Voltage		25 kV
Routine test	Dielectric strength	at 50 kV
	Partial discharges	<50pC at 28.8 kV
	Galvanic insulation (communication port)	5 kVrms
Type tests	AC Voltage test	at 50 kV
	Lightning impulse voltage test (BIL)	at 125 kV
	Capacitor discharge	at 125 kV
Operating conditions (according to EN60870-2-2 Class C2)		Temperature from -25°C to +75°C - Relative humidity from 15 to 100%
Storage conditions (according to EN60870-2-2 Class C3)		Temperature from -40°C to +75°C - Relative humidity from 10 to 100%
Reference standards		IEC 60358-190 / IEC 61334-3-22-2001-01 / ANSI C93.1-1999

Communication Characteristics

Frequency range		2 - 40 MHz
Insertion losses		≈ 3dB
Impedance	Line side	20 Ω
	Equipment side	50 Ω
PLC-BPL connector		BNC Connector

Mechanical Characteristics

Materials	Insulation	Resin
	Circuitry	Polyamide 6
	RoHS compliant 2002/95/EC	
Weight		1,4 kg.

DIMENSIONS

