



## ICU-590

Inductive coupler unit for shielded MV cable

### Introduction

The MuLogic ICU-590 is an inductive coupler for transmission of PLC/DLC carriers via the shield of Medium Voltage power cables. The unit is intended for use with the MuLogic PLM-501 power line modem and can operated in a frequency band from 9kHz to 150kHz.

### Technical Specifications

- **Inner diameter:** 90mm
- **Outer diameter:** 146mm max.
- **Height:** 35mm
- **Weight:** 925g
- **Frequency range:** 9kHz to 150kHz
- **Impedance (PLC coupling side):** 10 to 50  $\Omega$  (frequency dependent)
- **Insertion loss:** < 1.5 dB
- **Connector type:** customer specific
- **Mounting:** by means of strap with tensioning screw
- **Isolation:** > 2kV between coupling cable and any metal object in or near coupler.