## MuLOGIC



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</li>

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.

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