CORINEX

EnergyGrid
Solution

# Corinex Coupler

As part of our Broadband over Power Line (BPL) end-to-end solution, the Corinex Coupler provides the communication uplink for a Corinex Compact Headend, which manages and collects data for a centralized management system. It provides secure, near real-time communication over utility customers' existing electric infrastructure. The Corinex Coupler, along with our vertically integrated products and GridValue Elements Management Software (EMS), is enabling utilities to provide the next generation of smart-grid applications and distributed energy resource services.

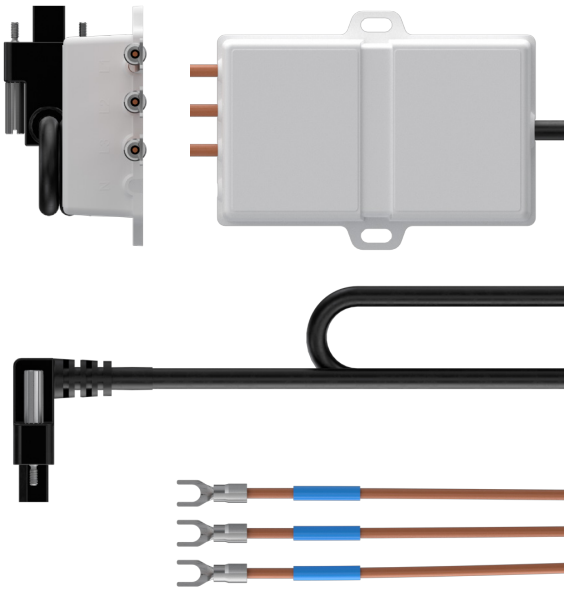
**Network Management**
- Corinex GridValue

**Data Concentrators**
- Corinex Compact Headend
- Corinex Coupler

**Data Collectors**
- Corinex High Performance Repeater
- Corinex Standard Repeater
- Corinex 1T External Modem

## Features

- Corinex BPL's superior communication performance & voltage sensing capability
- Superior coverage compared to wireless technologies
- Promotes network ownership and gives control back to utilities
- A proven and tested solution that reduces deployment risks
- Faster roll-out demonstrated by pilot studies
- Low cost, inter-operable and future-proof solution
- Developed and validated by 5 leading market vendors



## Key Benefits

End-To-End Integrated Solution

Near Real-Time Visibility

High Speed Networking

Encryption And Security

Grid Control Management

Scalable Dependable Coverage

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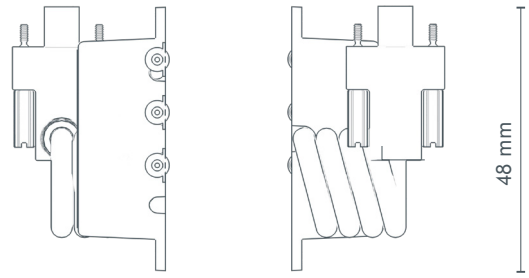
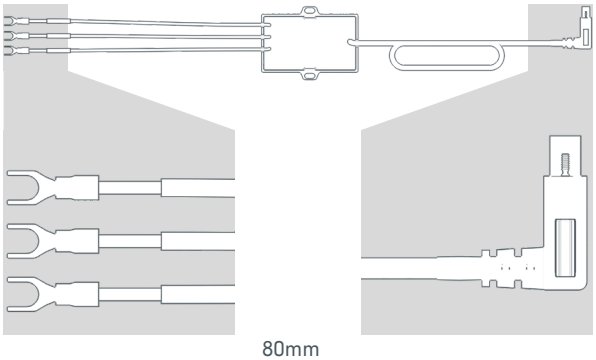
# Technical Specifications

| | | |
|---|---|---|
| Model No. | | CXZ-CXP-GH3 (USB)<br>CXZ-CXP-GH4 (USB) |
| Electrical | Power Input | 3-Phase (3-wire or 4-wire version) @ 50/60Hz<br>Max. 500V (Line to Line / Line to Neutral) |
| | Power Consumption | N/A |
| Mechanical | Dimensions | 80mm x 48mm x 20mm |
| | Weight | 330 grams |
| | Mounting | Cable tie |
| | Enclosure | Plastic (ABS), IP67 |
| Environmental | Safety and EMI | CE and CE Mark, Class II, RoHS |
| | Operating Humidity | 0% to 90% non-condensing |
| | Operating Temperature | -40C to +70C |
| | Noise Immunity | DIN EN 61000 |
| | Fire Class | DIN 60950-1, V-1 |
| Communication | PLC Standard | G.hn-BPL (ITU-T- G9960) |
| | Backbone Speed | N/A |
| | Ethernet Interface | N/A |
| | PLC Interface | Type B USB Port / AC Port for BPL Coupling |
| | Frequency Range | 2 - 50 MHz |
| | Protocols | N/A |
| | MAC Address | N/A |
| | Max VLAN/OVLAN Tags | N/A |

LABORATORY SPECIFICATIONS | ACTUAL TRANSMISSION SPEEDS MAY DIFFER DUE TO ENVIRONMENTAL CONDITIONS




SCHEMATIC DRAWINGS NOT TO SCALE