

Features

- **Broadband Inductive PLM Coupler**
 - Quick and easy installation
 - Low insertion loss over the whole frequency range 2-40MHz
- **Connections**
 - Integrated BNC connector
- **Operates -25°C to +60°C**
- **Heavy Duty Construction**

Description

The Inductive broadband powerline coupler will typically be used for PLM coupling on medium voltage power lines. In conjunction with Pempek System's range of powerline modems can be used for data logging applications, real time control of industrial equipment, voice and telephony application, video communication and monitoring.



Obelix

Broadband Inductive PLM
Coupler



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Typical Applications

Broadband Inductive PLM coupler is typically used for installation on following machineries:

- Continuous Bolter/Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports

Ordering Information

Part Number	Description
CMS13697	Inductive coupler 360A, 36kV
H0SD0101	A82 coaxial BNC cable assembly

Technical Specification

Electrical Specification	
Nominal voltage	24kV-36kV
Coupling mode	Phase to phase, Phase to earth
Cable diameter	< 44mm
Frequency range	2MHz – 40MHz
Nominal impedance	50Ω
Insertion losses	< 3dB
Rated lightning impulse withstand voltage	5kV
Insulation resistance	>100MΩ
Dielectric strength	3kV
Nominal current 50Hz	360A
Short circuit current	20kA/1s
Dynamic current 50Hz	50kA

Environmental	
Operating temperature	Minus -25°C to +60°C
Storage temperature	Minus -40°C to +70°C
Humidity	5% to 100% non-condensing

Mechanical Characteristics

Dimension	Measurement	Description
A	90mm	External Diameter
B	44mm	Internal Diameter
C	90mm	Height

Fasteners

- M6 x 10mm x 2 (Connection to earth)

Mass

- 1.2kg (2.64lb)