

Corinex Overhead MV Coupler

This capacitive coupler assembly has been specially designed for overhead PLC-BPL applications over power lines up to 18 kV.

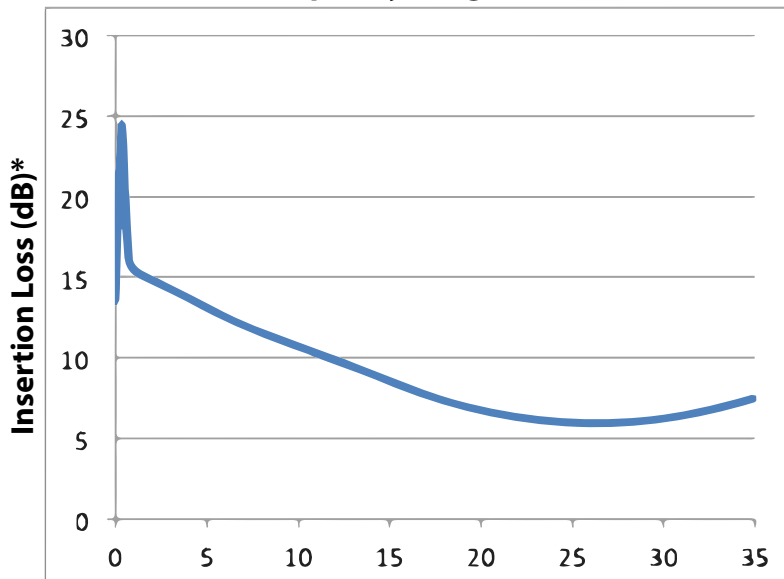
Features

- Easy, safe, and quick installation without shutdown of the line
- Reduced dimensions and low weight
- Very low insertion losses across the frequency range (2 - 34 MHz)
- Insulation voltages up to 18 kV
- New silicone housing that provides better electric insulation in outdoor environments
- Leakage distance for high-pollution environments (according to IEC 358)
- Integrated ground lead disconnecter to guarantee disconnection from ground in case of internal failure of the coupler

Configurations available for

- Installation on the pole
- Installation hanging from the line

Frequency Range (MHz)



*assumes 0.5 dB (typical) loss along transmission cable

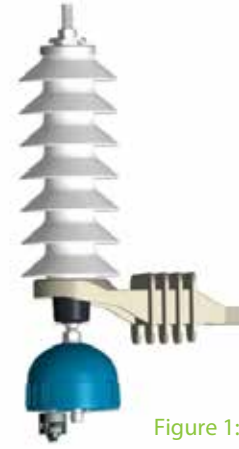


Figure 1: CXP-MVC-OH18

Technical Specifications

Insulation Voltage	17.5 kV
Dielectric Strength	50 kV
Partial Discharges	< 50 pC @ 28.8 kV
Galvanic Insulation	50 kV RMS
AC Voltage Tested	50 kV
Lightning Impulse Voltage Tested	150 kV
Capacitor Discharge	150 kV
Ground Disconnecter	IEC 60099-4 2004-2005
Operating Conditions	-33 °C to +40 °C relative humidity from 15 to 100%
Storage Conditions	-40 °C to +70 °C relative humidity from 10 to 100%
Reference Standards	IEC 60358-190 / IEC 61334-3-22-2001-01 / ANSI C93.1-1999
Arcing Distance	6.7" (≈ 170 mm)
Leakage Distance	22" (≈ 560 mm)
Frequency Range	2 - 34 MHz
Insertion Loss	variable (see graph)
Impedance - Line Side	200 Ω
Impedance - Coaxial	50 Ω
Equipment Side PLC-BPL Connector	TNC
Weight	min 2.9 lb max 3.7 lb
Diameter	max 4.3"