

# FMC (Flexible Magnetic Coupler)

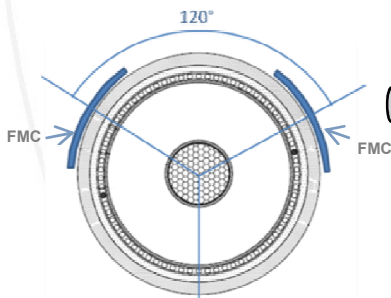


The FMC (Flexible Magnetic Coupler) is a partial discharge sensor whose working principle is based on a direct magnetic coupling with the cable conductor and shield.

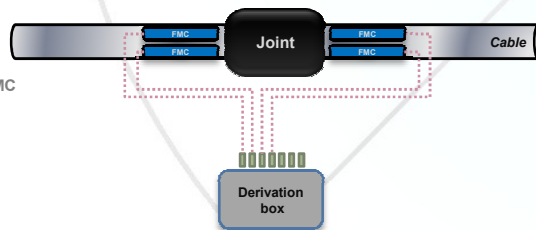
It picks up a magnetic signal given by PD activity. The sensor show directional sensitivity; his compact and robust design (passive sensor) make the FMC the optimal sensor for direct installation on high voltage cable accessories (joints and termination) .

Optionally amplifiers and signal conditioning devices are available by Techimp to get outstanding sensitivity.

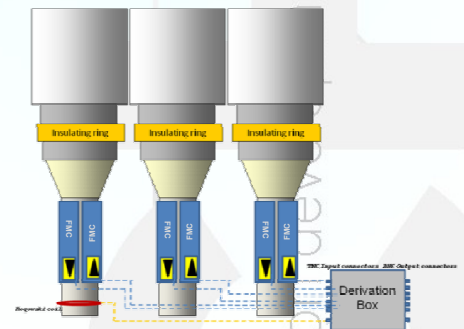
## FMC Installations Specifications



The FMC sensors will be installed **along the power cable**



Example of a complete PD Sensors System, **installed on a joint**



Example of a complete PD Sensors System, **installed on three terminations**

## FMC Technical Specifications

Property	Value
Bandwidth	30 kHz – 200 MHz, stand alone sensor Techimp Frequency Shifter recommended (with PDCheck)
Working principle	Inductive coupling
Overall Dimensions	120 x 480 x 9 mm
Weight (without the RF cable)	330 g
Connector	BNC
Power Supply	Only for optional devices (frequency shifter)
Installation	Tied to the cable in proximity of cable joint or cable terminal