PFISTERER

Spacer Dampers, Stockbridge Dampers, Recorders and Warning Spheres

Triple Spacer Damper

PFISTERER's spacer dampers are specifically designed and coordinated to provide damping against conductor motions caused by wind. In particular the spacer dampers control the levels of aeolian vibration and subspan oscillation within the accepted safety limits, under all service conditions and for the expected life time of the line. PFISTERER offers a complete range of spacer dampers for two, three, four and six bundles, with spacing ranges from 300 to 600 mm.

Stockbridge Damper

PFISTERER's range of stockbridge dampers is designed to dissipate energy from all types of conductors, shieldwires and OPGW cables caused by wind-induced motions. Many tests are needed to prove a successful damper design, which includes corrosion resistance, damping performance and fatigue behaviour. These tests are necessarily supplemented by electrical tests in regard to corona and RIV and are performed in PFISTERER's own laboratories.

Vibration Recorder

As the ultimate means of checking damping systems or to investigate the cause of conductor damages, PFISTERER offers vibration recorders. These can be used to easily measure vibrations on lines in operation. Moreover, the component of wind velocity acting perpendicularly to the line and the ambient temperature can be recorded. The conductor vibration data can be recorded and converted. By autonomous, long-term and direct measurements, an assessment of all critical line sections can be made.

Warning Sphere

PFISTERER's warning sphere has a diameter of 600 mm and is especially manufactured to avoid the loss of colour and UV-degradation by using a special material and painting technology. Optimisations have been applied to eliminate clamp loosening and audible noise due to vibration. Installation costs can be reduced thanks to its simple installation. The sphere is available in various colours and for several conductor diameters.

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