

OPGW Fittings

Suspension Assembly

Assembly with reinforced suspension clamp and neoprene inner covering, especially designed for OPGW cables. Includes grounding clamps for tower connection.

COMPOSITION

- **Straight shackle** (Galvanized forged steel)
- **Twisted link** (Galvanized forged steel)
- **Parallel connection clamp** (Aluminium)
- **Armour grid suspension clamp** (Aluminium)
- **Inner covering** (Neoprene)
- **Preformed rods** (Aluminium alloy)
- **Grounding clamp** (Aluminium)



CONFIGURATION

According to the environmental conditions, length of span and types of cables it may be necessary to use extra protection rods (reinforced suspension assembly). The assembly components can be provided with optimum features in accordance with Client requirements.

Prysmian Part Nos. For quotation and technical support please contact opgw@prysmiangroup.com

Tension Assembly

Preformed tension assembly especially designed for OPGW cables. Includes grounding clamps for tower connection. When the distance between two anchor towers is greater than the maximum length of OPGW cable drums, there are special tension assemblies for installation in suspension towers, allowing a cable joint to be included.

COMPOSITION

- **Straight shackle** (Galvanized forged steel)
- **Extension link** (Galvanized laminated steel)
- **Dead end** (Compression aluminium clad steel)
- **Thimble** (Cast galvanized steel)
- **Protection splice** (Compression aluminium clad steel)
- **Grounding clamp** (Aluminium).



CONFIGURATION

There are three types of assemblies for installation in tension towers:

- Passing tension assembly: for intermediate towers.
- Splicing tension assembly: for towers with joint boxes.
- Final tension assembly: for final towers.
- Tension assemblies for suspension towers: splicing tension assembly, for towers with joint boxes.

The assembly components can be provided with customized features in accordance with Client requirements.

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Downlead Clamp

The downlead clamps are used to fix the cable to the tower in the down lead to the joint box.

COMPOSITION

- **Clamp** (Aluminium)
- **M12 rod** (Galvanized steel)
- **Support body** (Galvanized steel)
- **Lock screw** (Stainless steel)



CONFIGURATION

There are different types of clamps:

1. individual clamp, for a single cable
2. standard clamp for two cables, adaptable to all diameters.

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Damper

The dampers are used to absorb the cable vibrations. The number of dampers is determined by the environmental conditions, the distance between towers, the type of OPGW cable and the installation parameters. On request, Prysmian can calculate a customized vibration study.

COMPOSITION

- **Securing clamp** (Aluminium alloy)
- **Messenger cable** (Galvanized steel wire)
- **Counterweights** (Galvanized forged steel)



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