

OPGW optical cable

Product Description

Optic fiber composite overhead ground wire (OPGW) is an overhead ground wire containing optical fibers, which has multiple functions such as overhead ground wire and optical communication. It is mainly used for communication lines of 110kV, 220kV, 500kV, 750kV and newly built overhead high-voltage transmission systems. It can also be used to replace existing ground wires in old overhead high-voltage transmission systems, add optical communication lines, conduct short-circuit currents, and provide lightning protection. Special structures can be customized according to user needs.

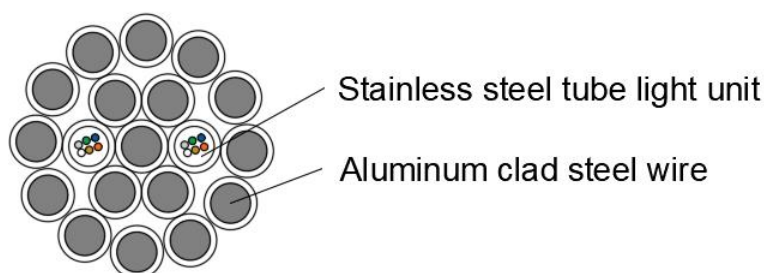
Product standard

According to IEC-60794-4-10-2014

Applications: It is used for communication in power system and has dual functions of ground wire and communication

Product features

- Adopt advanced stainless steel tube production technology, the tube is filled with special thixotropic jelly to provide key protection for the optical fiber.
- Good compactness and high tensile strength.
- Precise design of optical cable section to ensure the electrical properties, mechanical and physical properties and thermal stability of the cable.
- fiber surplus length and cable core stranded pitch ensure that OPGW cable will not be stressed at the maximum operating tension.
- Similar to common ground wire specification, it is very convenient to install and replace the original ground wire directly.



Application: Aerial

Operating Temperature: - 40℃ ~ +70℃

Technical parameter

Fiber count	Bending radius (mm)	MAT (KN)	Short circuit current heat capacity(KA ² .S)
2~72	20D	According to customer requirements	According to customer requirements

