



# Fiber optic cable with ground wire

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The Optical Ground Wire cable, or OPGW, is a type of cable used by the electric utility industry in the construction of electric power transmission and distribution lines.

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AFL's AlumaCore OPGW (Optical Ground Wire) combines lightweight aluminum construction with integrated fiber optics for overhead transmission lines. Engineered for strength, conductivity, and ...

Short summary: OPGW (Optical Ground Wire) is a revolutionary cable that combines the functions of a traditional ground wire for power lines with the high-capacity data transmission of a fiber optic cable.

Such cable combines the functions of grounding and telecommunications. An OPGW cable contains a tubular structure with one or more optical fibers in it, surrounded by layers of steel and aluminum ...

Two or three stainless steel optical tubes are helically stranded in the inner layer of a multiple-layer cable. The multi loose tube type is designed mostly for very high fiber count requirement over 48 with ...

The overhead ground line and fiber optic cable are combined into one, which shortens the construction period and saves the construction cost compared with other ways of fiber optic cable.

Learn how to properly ground fiber optic cable installations, including when grounding is required, metal components to ground, and step-by-step best practices.

Buy OPGW Fiber Optic Cable direct from the manufacturer. High-voltage overhead ground wire with custom RTS & Short-Circuit capacity. Get a quote & datasheet.



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