

## GIBSON ELECTRIC & TECHNOLOGY SOLUTIONS STRUCTURED CABLING

### Structured Cabling Solutions. For Over 25 Years.



**HUNDREDS  
OF PROJECTS.**  
ELEVEN MAJOR  
MARKETS SERVED.

- **Commercial**
  - Office Buildings
  - Retail
  - Mid and High Residential
  - Trading Firms
- **Entertainment/Hospitality**
  - Arenas
  - Hotels/Casinos
- **Healthcare**
- **Education**
- **Manufacturing**
  - Private Sector
- **Mission Critical Facilities**
- **Public/Government**
- **Technology**
  - Data Centers/Call Centers
  - Telecommunications
- **Transportation**
- **Warehouses/Distribution Centers**
- **Water Management**

**Gibson Electric & Technology Solutions** is an ISO 9001:2015-certified electrical construction firm specializing in commercial electrical and telecommunication infrastructure design, structured cabling installation and maintenance, electrical power distribution systems, data transmission systems, and distributed antenna systems (DAS).

For today's businesses, the consistently reliable distribution of information is necessary, whether it's transmitted by voice, computer, video, or other electronic media. Structured cabling carries an organization's most critical information from one source to another. When done properly, structured cabling contemplates both current and future needs, so an organization's infrastructure can handle growth at any rate. Structured cabling design and installation often includes proper grounding and bonding, firestopping, and cable support hardware.

#### **Quality Structured Cabling Solutions— from Qualified, Certified Technicians.**

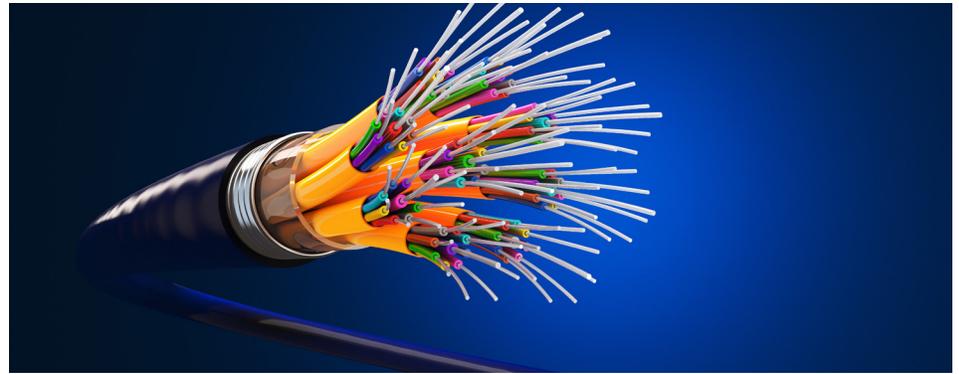
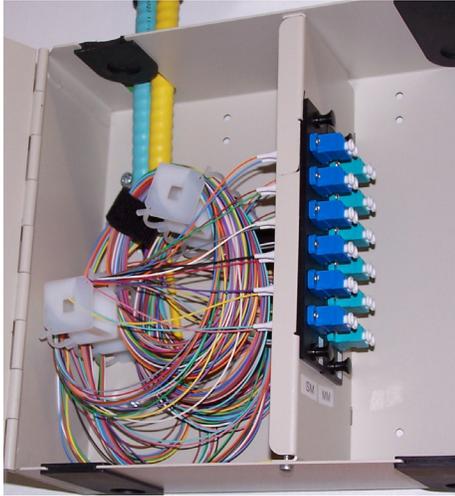
Gibson Electric provides a reliable and flexible data and telecommunications cabling infrastructure that delivers data to clients over a variety of transmission technologies. Registered Communications Distribution Designer-(RCDD) qualified engineers and Building Industry Consulting Service International- (BICSI) certified installers work to successfully implement structured cabling and voice and data systems design and installation for businesses of all sizes.

#### **All Access.**

#### **With Wireless Access Points.**

Installing wireless access points (WAPs) are a common task in many of Gibson Electric's structured cabling projects. Technicians typically install two category 6A cables to each WAP device location. This allows individuals with smart devices and lap tops to access the network without being plugged into a traditional structured-cabling outlet. WAPs are typically password protected for access to the network.

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## Fiber Optics Expertise.

Gibson Electric also designs, installs, tests, and maintains fiber-optic systems, specializing in fusion splicing, multi-mode and single-mode fiber-cable termination, optical time-domain reflectometer (OTDR) testing, power meter and light-source testing, and various other types of repair work.

## Understanding Industry Standards.

Structured cabling design and installation is governed by a strict set of standards that specify the types of wiring that can be used for data or voice communications in data centers, offices, educational facilities, retail storefronts, and residential buildings. Staying current with all fiber-optic cable manufacturer termination and testing standards, Gibson works to minimize expensive data network problems.

Installations typically use a patch panel (which is normally a 19-inch rack-mounted or enclosed lockable cabinet) where each modular connection can be used as needed. Active outlets are often patched into a network switch for network use or into an IP or private branch exchange (PBX) telephone system patch panel. Gibson Electric is proficient in using various types of cable, such as category 5e (CAT5e), category 6 (CAT6), category 6A (CAT6A), and fiber optic cabling and modular connectors.

## Safety Is Job #1.

### And #2, and #3, and #4...

Gibson Electric, an EMCOR company, is passionate about safety and quality. EMCOR's safety performance is far better than the Bureau of Labor Statistics industry averages, with a rate of injury that is consistently 60%–75% lower than competitors.

(Source: Bureau of Labor Statistics Industry Average for Specialty Contractors NAICS 238, 2004-2012)

## Harnessing the Power of a Fortune 500® Leader

EMCOR Group, Inc. (NYSE: EME) is a Fortune 500® leader in mechanical and electrical construction, industrial and energy infrastructure, and building services for a diverse range of businesses.

EMCOR Group, Inc., is ranked #1 "World's Most Admired" in the Engineering and Construction Industry for 2018 by Fortune®. For 10 consecutive years, EMCOR has been named amongst the Top 5 "World's Most Admired" Companies.

EMCOR builds, powers, services, and protects the sophisticated and dynamic systems that create facility environments in virtually every sector of the economy for many successful organizations. By planning, installing, operating, and maintaining a wide range of facilities and systems, 34,000+ employees at 170 locations help clients increase productivity and optimize their businesses.

## HOW CAN WE HELP YOU?

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# Gibson

Electric & Technology Solutions

An EMCOR Company