

Connections

CONNECTING THE NEXT GENERATION

Keeping You In The Loop - May 2026

TLC is Expanding Again!

TLC is excited to announce the upcoming addition of three new manufacturing lines. The first, scheduled to be commissioned later in 2026, will be a dedicated flat drop cable line. The other two lines, also set to come online in 2026, will support data center cable production along with other cable types.

These additions will increase our manufacturing capacity while enabling us to offer higher fiber-count cables. Plans are also underway for an additional building expansion.

Ask Engineering

What do ITU G.xxx specifications mean on quote requests?

ITU stands for the International Telecommunication Union, which develops international standards for telecommunications, including fiber optics.

In quote requests, you'll often see specifications such as **ITU-T G.652.D and G.657.A1-A3**.

- **G.652.D** refers to standard **single-mode fiber (SMF)**. It meets low-loss performance requirements and supports the full transmission spectrum, making it the most widely used general-purpose fiber.
- **G.657** specifications focus on **bend-insensitive single-mode fiber**, meaning the fiber can maintain performance even when bent. These are especially useful in tight installation environments.

The subcategories indicate increasing levels of bend tolerance:

- **G.657.A1**: minimum bend radius of **10 mm**
- **G.657.A2**: minimum bend radius of **7.5 mm**
- **G.657.A3**: minimum bend radius of **5 mm**

In short, **G.652.D** is the standard for general single-mode fiber performance, while **G.657** variants specify how well the fiber performs under bending conditions.

Corporate Address:

The Light Connection
132 Base Rd.
Oriskany, NY 13424

Corporate Phone Number:

1-888-571-7111

Website:

www.thelightconnection.com



Contact TLC Today!

Let us show how we can help position your company as a leader in the industry!