



GigaREACH™ XL

Extend your network's reach, not your risk

WHY?

A growing need to connect and power devices beyond the 100-meter limit defined in the standards, while ensuring the reliable performance of a standards-based connection. Options exist to extend the network's reach, but each involves a level of cost and risk that is hard to justify when connecting just a few devices.

WHAT?

SYSTIMAX GigaREACH XL. The only extended reach Category 6 cabling solution warranted to support 100 Mbps/90 W up to 200 m, 1 Gbps/90 W up to 150 m, and 10 Mbps/90 W up to 250 m.

HOW?

Proprietary UTP twist technology enables use of a coarser 21 AWG conductor, lowering loss and cutting DC resistance per meter in half versus standard Category 6 cables. This reduces signal loss and voltage drop over distance to assure extended reach support.

WHEN?

Any time a limited number of edge-based devices need to be deployed quickly, easily and with minimal disruption, versus adding additional telecommunication rooms and equipment.

WHERE?

Typically, at the edge, > 100 m from the nearest telecommunications room, where network devices need reliable power and data.

Reach further

The GigaREACH XL solution is a simple, non-invasive UTP solution that supports 100 Mbps/90 W up to 200 m, 1 Gbps/90 W up to 150 m, and 10 Mbps/90 W up to 250 m, all without the cost and risk of invasive network modifications.

Warrantied performance

CommScope warranties your extended reach performance with our Applications Assurance and further supports you with a 25-year Extended Product Warranty and technical support, training, education and resources available online and onsite.

Simplify the network

Running one cable versus adding telecom rooms, PoE extenders, optical equipment and patch panels reduces network complexity, points of failure, OpEx and deployment times. GigaREACH XL cables and channels meet all your Category 6 requirements. So they easily integrate into your structured cabling architecture and use the same installation tools, procedures, panels and jacks as the SYSTIMAX family of GigaSPEED[®] solutions.

Another tool in our extended reach arsenal

The GigaREACH XL solution is the latest addition to the SYSTIMAX portfolio of extended reach solutions that includes our Constellation[®] edge-based platform and Powered Fiber system. Together they're enabling tomorrow's hyperconnected, edge-based enterprise networks.

Why 100 meters?

Commercial cabling standards define the maximum supported length for a Cat 6 cable as 100 m. This limitation is based on the electrical characteristics of twisted-pair copper cabling. As the signal travels along the cable, its strength decreases. The longer the cable, the greater the signal loss.

For more information about our SYSTIMAX GigaREACH XL extended reach solution, contact your CommScope representative or visit www.systimax.com.