

Features and Benefits

- Self-supporting figure-eight design
- Span lengths of up to 500 feet
- Loose tube, gel-filled construction
- Available with 1 to 72 fibers

Applications

- Outdoor aerial installations
- Interbuilding backbone
- Public utility applications

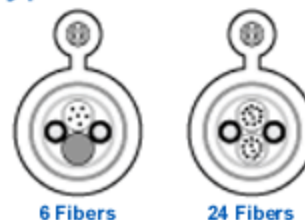
LTN Self-Supporting Cables



These figure-eight, interbuilding cables are designed to be suspended aerially as a self-contained unit. There is no need for a separate messenger or support wire to be installed. The gel-filled, loose tube construction provides the best protection against the adverse conditions to which it will be exposed. The cable is armored with corrugated steel and has two jackets for maximum protection against animal attacks and gunshots. The LTN cables incorporate a co-extruded galvanized EHS Steel Messenger Cable, intended for spans of up to 500 feet.

Span lengths for specific installations will vary with storm load rating and mid-span sag limitations.

Typical Cross Sections



MECHANICAL SPECIFICATIONS

Nom. Cable Diameter- inches (mm):	.510 x 1.005 (13.0 x 25.5)
Nom. Weight - Lbs/1000' (kg/km):	267 (397)
Maximum Tensile Load (with messenger):	3820 (17,000)
Maximum Tensile Load (cable only)	Installation 600 Lbsf (2670 N)
Min. Bend Radius:	Installation 600 Lbsf (2670 N) In-Service 135 Lbsf (600 N)
Maximum Crush Resistance:	Installation - inch (cm) 10.2 (25.9) In-Service - inch (cm) 5.1 (13.0)
Storm Loading (Pole span length in MESC Heavy storm area) - Feet (meters):	500 (152)

GENERAL SPECIFICATIONS

Temperature:	-40°C (-40°F) to 80°C (176°F) Storage; -40°C (-40°F) to 80°C (176°F) In-Service
Messenger Wire:	1/4" stranded EHS galvanized steel
Inner Strength Member:	Epoxy/glass rod
Cable Core:	Gel-Filled Loose Tubes
Outer Strength Member:	Aramid fiber yarn
Inner Jacket:	PVC
Aarmor:	.006" Thick Corrugated Steel Tape with ripcord under the armor
Outer Jacket:	Black UV and moisture resistant polyethylene

GP Part Number *	No. of Fibers
XX0023H1N	2
XX0044H1N	4
XX0064H1N	6
XX0084H1N	8
XX0124H1N	12
XX0184H1N	18
XX0244H1N	24

*XX denotes fiber type

FOR ADDITIONAL INFORMATION ON THIS OR OTHER PRODUCTS AND THEIR AVAILABILITY, PLEASE CONTACT FIBER OPTIC CENTER, INC.