

12-core figure-eight self-supporting optical cable

Article Overview

A 12-core figure-eight self-supporting optical cable is an outdoor aerial fiber optic cable with a steel-wire strength member, loose tube fiber arrangement, and water-blocking system, designed for robust, self-supporting installation.

Structure and Design

The cable features a figure-eight profile, integrating the fiber core and a stranded steel wire strength member into a single self-supporting unit, eliminating the need for additional support wires during aerial installation (). The fiber cores—either single-mode or multi-mode—are housed in loose tubes made of high-modulus plastic, which are twisted around a metallic central strength member to form a compact, circular core (). Water-blocking materials are distributed in the interstices to prevent moisture ingress.

Mechanical and Environmental Performance

- **Tensile Strength:** The stranded steel wires provide excellent strain performance and can withstand significant pulling forces during installation ().
- **Crush and Impact Resistance:** Corrugated steel tape armor and a polyethylene (PE) outer sheath protect against mechanical damage, including crush and gunshot resistance ().
- **Temperature Range:** Designed to operate reliably in a wide temperature spectrum, typically from -20°C to 60°C ()....

Article Content

Jan 16, 2026

Aerial Cables

ALTOS® Figure-8 Dielectric 144 Fiber Aerial Self-Supporting fig. 8-Cable Stranded Loose Tube LT 2.3

Sep 17, 2025

Bynet GYTC8S, GYTC8A Figure-8 Self-Supporting

Bynet GYTC8S, GYTC8A Figure-8 Cable features stranded loose tube structure with steel messenger for

Aug 22, 2025

Self-supporting Figure 8 Cable (GYFTC8A)

Self-supporting Figure 8 Cable (GYFTC8A) Cable Description Features and Applications High tensile strength Self-supporting aerial

Nov 07, 2025

2 Core 4 Core Self-supporting Aerial Figure 8 Fiber Optic Drop Cable

We're one of leading 2 core 4 core self-supporting aerial figure 8 fiber optic drop cable manufacturers and suppliers in China.Source

Oct 22, 2025

All Dielectric Self Supporting (ADSS) Fiber Optic Cable

ADSS (All-Dielectric Self-Supporting) fiber optic cable uses an all-dielectric structure and requires no metal

Sep 16, 2025

12 Core GYTC8S Figure-8 Fiber Optic Cable Price & Datasheet

12 Core GYTC8S Fiber Optic Cable Armor Stranded Loose Tube Steel Wire Strength Waterproof Figure 8 Self Supporting Outdoor

Jul 16, 2026

012EUA-T4101D20 | ALTOS® Figure-8 Loose Tube,

Corning ALTOS® figure-8 gel-free cables are self-supporting aerial cables

Oct 06, 2025

Self-Supporting Figure 8 Optic Fiber Cable | Lightweight & High ...

Buy premium self-supporting Figure 8 optic fiber cable with excellent durability and low signal loss. Suitable for FTTH and outdoor

Aug 14, 2025

Figure-8 Self-supporting Uni-tube Optical Cable (GYAXTC8Y ...

Figure-8 Self-supporting Uni-tube Optical Cable (GYAXTC8Y/ GYAXTC8Y-J) Optical fibres are housed in a loose tube that is made

Oct 30, 2025

Self-Supporting Cables

Fig-8 Self Supporting Fiber Optic Cable is ideal for in long distance and interoffice communication in strong

Oct 15, 2025

Shenzhen Chinaopticcable Co.,Ltd

6-144 Core GYTC8S Figure 8 Self Supporting Fiber Optic Cable The fibers are placed in a loose tube

Nov 04, 2025

(All-dry) Self-supporting Figure-8 Optical Cable (GYFC8S) -YOFC

Products (All-dry) Self-supporting Figure-8 Optical Cable (GYFC8S) Optical fibres are housed in loose tubes that are made of high

May 08, 2026

12 Core GYTC8S Figure-8 Fiber Optic Cable Price & Datasheet

This kind of cable is specifically used for self supporting aerial installation. The mental strength member is made up of stranded wires

Nov 04, 2025

Installation of Corning Optical Communications Self-Supporting (Figure ...

Corning Optical Communications self-supporting (figure-8) optical fiber cable greatly simplifies the task of placing fiber optic cable on

May 12, 2026

Aerial Fig-8 FTTH Drop Cable – Tight Buffer Self

Fig-8 FTTH drop cable with integrated messenger wire provides high tensile strength for aerial distribution.

Jul 30, 2025

120ZRA-T3120A20 | Aerial Self-Supporting Fig. 8-Cable

Self-supporting aerial fig. 8-cable with steel suspension strand for installation on poles up to 75 meters.

Nov 12, 2025

GYTC8S Figure 8 Self Supporting Aerial Fiber Optic Cable

GYTC8S Figure 8 Self Supporting Aerial Fiber Optic Outdoor Cable is available in singlemode and

Oct 07, 2025

GYTC8S Self-supporting Figure-8 Optical Cable

Optical fibres are housed in loose tubes that are made of high-modulus plastic and filled with water blocking yarns. The tubes (and

May 29, 2026

figure 8 fiber cable price from aerial cable self

Figure 8 Cable & Specifications As a self-supporting aerial fiber cable, figure 8 fiber optic cable is a kind of

Mar 03, 2026

Aerial Cable| GYTC8S Fiber Optical Cable Figure 8 SM

GYTC8S aerial fiber optic cable is excellent mechanical and environmental performance. Small cable

Feb 07, 2026

The Most Comprehensive Guide To Figure 8 Fiber

This self-supporting design has revolutionized overhead fiber deployment, making it faster,

Jun 12, 2026

Figure 8 Fiber Optic Cable

Figure 8 is a kind of aerial fiber optic cable that is self-supporting installed. HOC supply all specifications of figure 8 fiber optic cables,

Dec 31, 2025

12 Core GYXTC8Y Self-Supporting Fiber Optic Cable

12 Core GYXTC8Y Central Loose Tube Figure 8 Self-Supporting Aerial Outdoor

Jun 18, 2026

Outdoor Fiber Optical Self-supporting Figure 8 Cable

This compact figure 8 fiber optic cable is not only lightweight and flexible but also

Oct 22, 2025

Customized Fiber Optic Cable|Adss Fiber|All Dielectric Self Supporting ...

ADSS Fiber Optic Cable 12 Cores All-dielectric Self-supporting Stranded Double Jacket
Single Mode All-dielectric self-supporting

Jan 04, 2026

ALTOS® Figure-8 Loose Tube, Gel-Free Cable | Corning

Corning ALTOS® figure-8 gel-free cables are self-supporting aerial cables designed
for easy and

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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