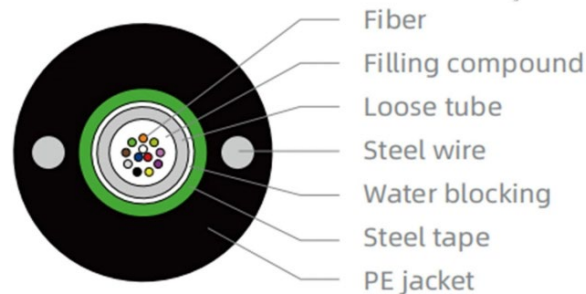


## ARSS Fibre Optic Cable (6/12/24 Cores)



### Description

Armor Fibre Optic Cable GYXTW Single mode Fibre

Introduction

The Armor Fibre Optic Cable GYXTW SM 6/12/24 Fibre is a robust and reliable solution for various network applications. GYXTW is an outdoor use optical fibre cable suitable for duct and aerial applications, designed for single-mode transmissions, this cable offers exceptional performance, durability, and protection against environmental factors.

### Key Features

Moreover, the Armor Fibre Optic Cable GYXTW SM 6/12/24 Fibre offers several key features that enhance its performance and versatility.

**12-Fibre Core:** Provides ample capacity to meet the demands of high-bandwidth networks.

**Single-Mode Construction:** Ensures low signal loss and high data transmission rates over long distances.

**Armor Protection:** The cable is equipped with a protective armor layer that shields it from mechanical damage and environmental hazards.

**Weatherproof Jacket:** The outer jacket is designed to withstand harsh weather conditions, including rain, wind, and temperature extremes.

**Low Smoke Zero Halogen (LSZH):** The cable is constructed using LSZH materials, which emit minimal smoke and toxic gases in case of a fire.

**High Tensile Strength:** The cable's armor provides excellent tensile strength, making it suitable for outdoor installations and demanding environments.

**Fibre and Loose Tube Identification**

The color code of the loose tubes and the individual fibres within each loose tube shall be in accordance with Table below TIA/EIA-598-C (Rev. TIA/EIA-598-A) and EIA-359-A Color Code for Fibre and Loose tube Identification

No.	Fiber color	Loose Tube color
1	Blue	Blue
2	Orange	Orange
3	Green	Green
4	Brown	Brown
5	Slate	Slate
6	White	White
7	Red	Red
8	Black	Black
9	Yellow	Yellow
10	Violet	Violet
11	Rose	Rose
12	Aqua	Aqua

**Structure**

	unit	Parameter		
Optical Fiber G.652D	C	6	12	24
Steel Wire	mm	0.8	0.8	0.8
PBT Loose Tube diameter	mm	2	2.4	2.8
PBT Loose Tube Number	PCS	1	1	1
Number of optical fibers in tube	C	6	12	24
Steel Tape	mm	0.2	0.2	0.2

Outer sheath thickness	mm	1.5	1.5	1.5
Cable Diameter	mm	7.8	8.0	8.5
Cable weight	Kg	70	70	80

**Product Mechanical performance parameter**

	Parameter
Tensile Load (Short/Long Term)	1800N/900N
Crush(N/100MM) (Short/Long Term)	2200N/1100N
Span Length	40 – 80 m.
Coefficient of Linear Expansion	$1.1 \times 10^{-6}/^{\circ}\text{C}$
Static Bending Radius	20Dmm
Dynamic Bending Radius	30Dmm
Storage Temperature	-40~70°C
Install Temperature	-40~70°C
Run Temperature	-40~70°C

**Mechanical Performance Test**

- Tensile loading Test TIA/EIA-455-33A and IEC 60794-1-2-E1A
- Compression Test TIA/EIA-455-41A and IEC 60794-1-2-E3
- Repeated Bending Test TIA/EIA-455-104A and IEC 60794-1-2-E6
- Impact Test TIA/EIA-455-25B and IEC 60794-1-2-E4
- Cable Bending Test IEC 60794-1-2-E11B
- Cable Twist or Torsion Test TIA/EIA-455-85A and IEC 60794-1-2-E7
- Temperature Cycling Test TIA/EIA-455-3A and IEC 60794-1-2-F1
- Water Penetration Test TIA/EIA-455-82B and IEC 60794-1-2-F5

**Product standards:** ISO9001:2015, ISO14001:2015. RoHS

**Warranty:** 30 Years