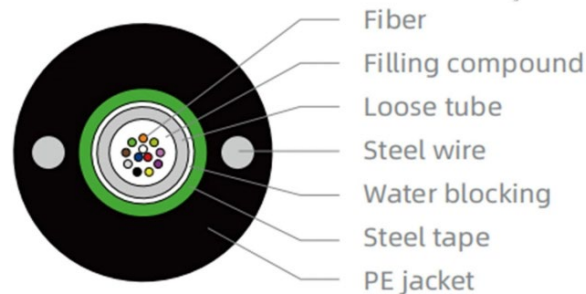


ARSS Fibre Optic Cable (6/12/24 Cores)



Description

Armor Fibre Optic Cable GYXTW Single Mode Fibre HYPERLINK Series

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

Fibre optic cable supports applications such as 25/40/50/100/200/400Gbps Ethernet, IEEE802.3 (LAN, Fast Ethernet, Gigabit Ethernet), IEEE802.3ae 10G Ethernet, IEEE802.3z Gigabit Ethernet, IEEE802.3u Fast Ethernet, 52/155/622Mbps, 1.2Gbps ATM, FDDI, Fibre channel, FTTx, CATV, CCTV and others.

Armor Protection: The cable is equipped with a protective corrugated steel tape armor layer that shields it from mechanical damage (Anti-Rodent) and environmental hazards.

Weatherproof Jacket: The outer jacket is designed to withstand harsh weather conditions (Water blocking Yarn and Jelly compound), including rain, wind, UV-Proof, HDPE and temperature extremes.

Outer Sheath: UV-Proof, Black HDPE Material.

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.	Fibre 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 Fibre 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 fibres 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)	3400N/10 cm.
Span Length	40 – 80 m.
Coefficient of Linear Expansion	$1.1 \times 10^{-6}/^{\circ}\text{C}$
Installation Bending Radius	20 x Diameter of Cable
Operation Bending Radius	10 x Diameter of Cable
Storage Temperature	-40 ~ 75°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	ANSI/TIA-568.3-D
	ISO/IEC 11801:2011
	ISO/IEC 11801:2017
	ANSI/TIA-568-C.3
	ANSI/ICEA 640
	IEC 60793
	IEC 60794-1-2
	Telcordia (Bellcore) GR-20-CORE
	EN 50173-1
	ITU-T G.652D (Singlemode)
	ISO9001:2015
	ISO14001:2015
	RoHS

Warranty: 30 Years