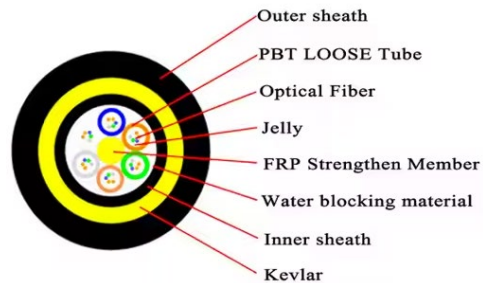


ADSS Fibre Optic Cable (6/12/24 Cores)



Description

Fibre Optic Cable GYXTW Single mode Fibre

Introduction

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

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

Central strength ember: FRP which provide tensile strength.

Water blocking: E-glass yarns provide for additional strength member and water blocking tape.

Weatherproof Jacket: The outer jacket is HDPE 1.0 mm. designed to withstand harsh weather conditions (Water blocking Yarn), including rain, wind, UV and temperature extremes.

PBT Loose Tube: PBT (Polybutylene Terephthalate) with color coding, Filling Compound Thixotropic Jelly Compound.

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)	2200N
Span Length	40 – 80 m.
Wind Speed	126 km/hr
Coefficient of Linear Expansion	$1.1 \times 10^{-6}/^{\circ}\text{C}$
Installing Bending Radius	20Dmm
Operating Bending Radius	10Dmm
Storage Temperature	-40~80°C
Install Temperature	-40~70°C
Operating 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
	ANSI/TIA-568-C.3
	ISO/IEC 11801:2011
	ISO/IEC 11801:2017
	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