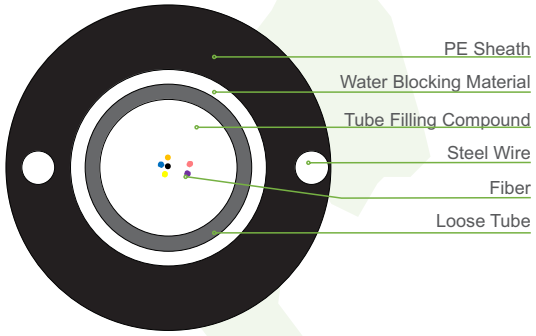
Nitrotel Manufacturing
Low Voltage Products & Fiber Optic

Part No.
NT-GYXTY-XXS

PRODUCT DATA SHEET

Unitube Non-armored Cable (GYXTY)



Introduction

In the Nitrotel GYXTY cable, single-mode/multimode fibers are positioned in the loose tube, which is made of high modulus plastic materials and filled with filling compound. The loose tube is covered with water blocking materials to guarantee the compactness and longitudinal water-blocking performance. Two parallel steel wires are placed at both sides of the cable core while a HDPE sheath is extruded over it.

Fiber color code

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Order Information and Characteristics of Optical Cables

Cable Type (increased by 2 fibers)	Fiber Count	Tube Diameter mm	Sheath Thickness mm	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/ShortTerm N	Crush Resistance Long/ShortTerm N/100 mm
NT-GYXTY-2~12Xn	2~12	2.0/3.0	2.6	8.5	72	600/1500	1000/3000
NT-GYXTY-2~12Xn	2~12	2.0/3.0	3.0	9.5	98	1000/3000	1000/3000
NT-GYXTY-2~24Xn	2~24	2.8/4.0	2.6	9.5	86	600/1500	1000/3000
NT-GYXTY-2~24Xn	2~24	2.8/4.0	3.0	10.2	111	1000/3000	1000/3000

Note:
1. Suffix Xn denotes fiber type and see details in Nitrotel cable coding illustration.
2. The color arrangement of fiber and tube is specified in color identification table.

Characteristics

- Excellent mechanical and temperature performance guaranteed by the accurate excess fiber length.
- Critical protection to fibers, based on the excellent hydrolysis resistance and strength performance of tube material and special filling compound filled in the tube.
- Special compact structure to avoid the loose tube shrinkage
- Excellent crush resistance and flexibility
- Two parallel steel wires could guarantee the tensile strength
- Excellent ultraviolet prevention with PE sheath
- Small diameter, light weight and installation friendliness
- Application: Duct/Aerial

Temperature requirement	Operation	-40˚C~+70˚C
	Installation	-10˚C~+70˚C
	Storage/transportation	-40˚C~+70˚C
Temperature cycling test	conform to IEC 794-1-F1	
Bending Radius	Static	10 times of outer diameter
	Dynamic	20 times of outer diameter

Order Information (Part Number)

NT-GYXTY-XXS
Fiber Count
06
12
24
48

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