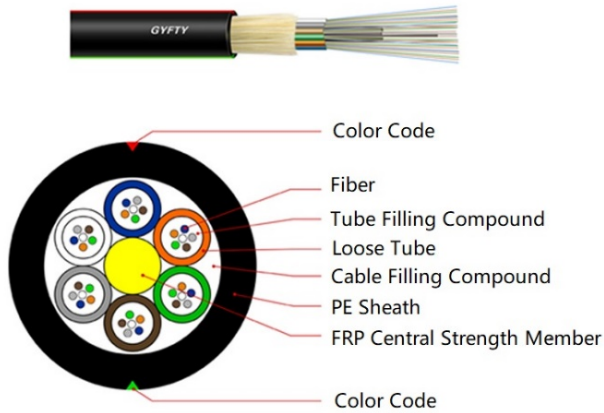


Stranded Loose Tube Non-metallic Strength Member & Non-armored Cable (GYFTY)



Order Code **GYFTY, 2 - 216 fibers**

Features:

- Good mechanical and temperature performance
- High hydrolysis resistance and high strength loose tube
- Good crush resistance and flexibility
- Good anti-electromagnetism due to non-metallic central strength member (FRP)
- High tensile strength ensured by FRP central strength member

Application

- Access network
- Core network
- Metropolitan area network

Maxwellon TF-3105 series stranded loose tube non-metallic strength member and non-armored cable GYFTY construction is that 250um fibers are positioned in a loose tube which is made of high modulus plastic and filled with a water-resistant filling compound; A fiber reinforced plastic (FRP), sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a non-metallic strength member; Tubes are stranded around the strength member into a compact and circular cable core; After the cable core is filled with the filling compound which protects it from water ingress, the cable is completed with a polyethylene (PE) sheath.

Standards:

TF-3105 stranded loose tube non-metallic strength member and non-armored cable GYFTY complies with YD/T901-2009 and IEC60794-1 standards.

Fiber Optic Characteristics

Parameters		Specifications			
Fiber Type		G.652	G.655	G651A1 (50/125um)	G651A1b (62.5/125um)
Attenuation (dB/km)	@850nm			≤3.0dB/km	≤3.0dB/km
	@1300nm			≤1.0dB/km	≤1.0dB/km
	@1310nm	≤0.36dB/km	--		
	@1550nm	≤0.22dB/km	≤0.23dB/km		
Bandwidth (MHz.KM)	@850			≥500MHZ · km	≥500MHZ · km
	@1300			≥1000MHZ · km	≥600MHZ · km
Numerical aperture				0.200 ± 0.015NA	0.275 ± 0.015NA
Cable cut-off wavelength		≤1260nm	≤1480nm		

Cable Specifications

Fiber Count	Cable Dia.(mm)	Cable Weight (kg/km)	Tensile Strength(N) long/short term	Crush Resistance(N) long/short term	Bending Radius (mm)
2 - 6	9.0	88	800/1500	500/1000	15D/30D
8-12	9.0	88	800/1500	500/1000	15D/30D
14-18	9.0	88	800/1500	500/1000	15D/30D
20-24	9.0	88	800/1500	500/1000	15D/30D
26-30	9.0	88	800/1500	500/1000	15D/30D
32-36	9.0	88	800/1500	500/1000	15D/30D
38-48	9.0	88	800/1500	500/1000	15D/30D
50-60	9.0	88	800/1500	500/1000	15D/30D
62-72	9.5	100	1000/2000	500/1000	15D/30D
74-84	10.5	120	1000/2000	500/1000	15D/30D
86-96	10.5	120	1500/2500	500/1000	15D/30D
98-108	11.5	150	1500/2500	500/1000	15D/30D
110-120	12.0	150	1500/2500	500/1000	15D/30D
122-132	13.0	150	1500/2500	500/1000	15D/30D
134-144	13.0	150	1500/2500	500/1000	15D/30D
146-216	13.0	150	1500/2500	500/1000	15D/30D

Storage and use temperature: -40 ° C to +70 °

Ordering Information:

TF-3105 stranded loose tube non-metallic strength member and non-armored cable GYFTY FRP central strength member, without armor and single PE jacket; **2-216 fibers are available, Please specify fiber type.**

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<http://www.maxwellon.com>

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