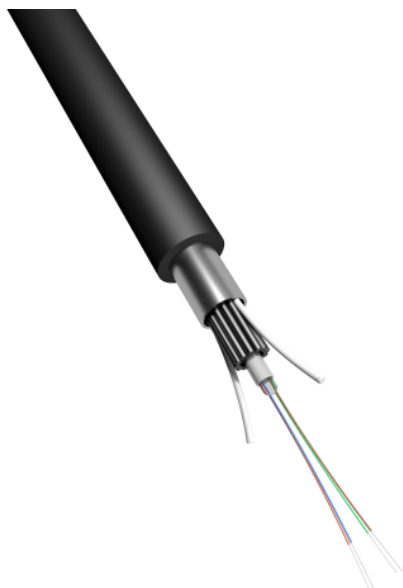

Паспорт изделия

Fiber optics outdoor armored cable, GYXTA type



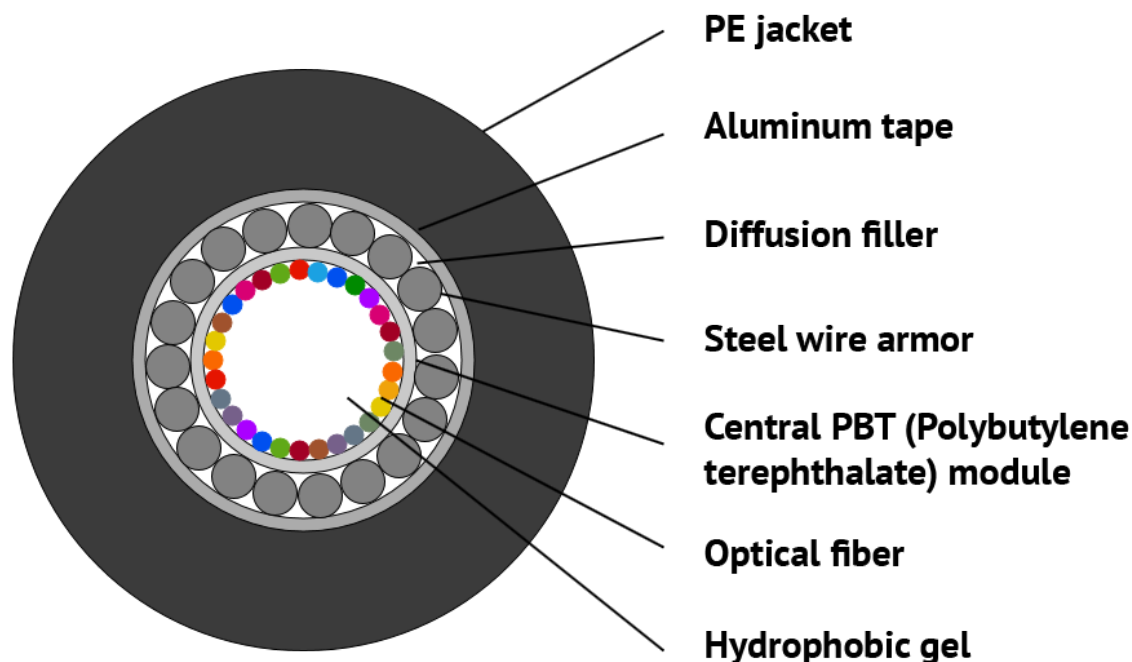
Product Code: [LAN-OFC-GYXTAnnyy](#)

Fiber optics outdoor armored cable, GYXTA type

Description

Designed for laying into the ground, in cable ducts, pipes, trays, tunnels, collectors, on bridges and overpasses, and between buildings.

Design:



The cable contains a central optical module with loosely laid fibers. The free space in the optical module is filled with a hydrophobic gel. Steel wire armor is spirally applied to the central optical module. The free space between the wires is filled with diffusion filler. The armor is covered with an aluminum tape and a medium density polyethylene sheath.

The maximum possible count of optical fibers in the cable is 24.

Color identification of tight buffer optical fibers

N ₂	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Grey	White
N ₂	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua
N ₂	13	14	15	16	17	18
Color	Blue+point	Orange+point	Green+point	Brown+point	Grey+point	White+point
N ₂	19	20	21	22	23	24
Color	Red+point	Natural	Yellow+point	Violet+point	Pink+point	Aqua+point

Weight and Dimensions

Fiber count	4	8	12	24
Cable diameter (±0.2) mm	8.8	8.8	8.8	9.5
Cable weight(±10) kg/km	140	140	140	160
Central module	Polybutylene terephthalate / PBT			
Material				
Diameter □(±0.06) mm	2.4	2.4	2.4	2.8
Thickness □(±0.03) mm	0.35	0.35	0.35	0.40
Maximum fiber count per module	4	8	12	24
Armor	Steel wire			
Material				

Diameter ± 0.05) mm	0.9	0.9	0.9	1.0
Diameter ± 0.05) mm				
Moisture protection	Material	Diffusion filler	Aluminum tape	
Thickness ± 0.05) mm		0.25		
Jacket	Material	Middle Density Polyethylene		
Thickness ± 0.2) mm		1.8		

Operating conditions

Minimum Bend Radius	Without pulling tension	10 cable diameters
	With maximum pulling tension	20 cable diameters
Temperature range $^{\circ}\text{C}$	Installation	-20~+60
	Storage	-40~+70
	Operating	-40~+70
Lifetime	25 years	

Physical specifications

No	Specification	Value
1	Maximum pulling tension	Short term impact 1500 N Long term impact 600 N
2	Crush resistance	Short term impact 1000 (N/100mm) Long term impact 300 (N/100mm)

Applicable optical fibers:

Identity	Description
SU	Single-mode fiber with extended operating wavelength and reduced attenuation and low bending loss (ITU G.652D+G.657.A1 recommendation)
S2	Single-mode fiber with an extended bandwidth of operating wavelengths (ITU-T G.652D recommendation)
S5	Single-mode positive non-zero dispersion shifted fiber (ITU-T G.655 recommendation)
S7	Single-mode with low bending loss (ITU-T G.657 recommendation)
M1	Multi-mode with core to cladding ratio 62,5/125 μm (IEC 60793-2-10 A1b type recommendation)
M2	Multi-mode with core to cladding ratio 50/125 μm (ITU-T G.651 recommendation and IEC 60793-2-10 type A1a.1 requirements)
M3	Multi-mode with core to cladding ratio 50/125 μm (ITU-T G.651 recommendation and IEC 60793-2-10 type A1a.1 requirements)
M4	Multi-mode with low bending loss and core to cladding ratio 50/125 μm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.3 type requirements)

Model range

LAN-OFC-GYXTA04S2	Outdoor FO cable, armed, GYXTA type, PE, 4 fibers, G.652 SM
LAN-OFC-GYXTA08S2	Outdoor FO cable, armed, GYXTA type, PE, 8 fibers, G.652 SM
LAN-OFC-GYXTA12S2	Outdoor FO cable, armed, GYXTA type, PE, 12 fibers, G.652 SM

Product descriptions are listed according to the available information at the time of publication. Product specifications can be changed without advanced notification. More detailed and exact information can be obtained from the official partners and distributors of LANMASTER.