GYTA53 144 Core Armored Fiber Cable

GYTA53: Ordinary outdoor loose-sleeved stranded optical cable, armored, one type of outdoor optical cable, which can be overhead or buried underground.

The structure of GYTA53 optical cable is that 250μm optical fiber is sheathed in a loose tube made of high modulus material, and the loose tube is filled with waterproof compound. The center of the cable core is a metal reinforced core. For some optical fiber cables, a layer of polyethylene (PE) needs to be extruded outside the metal reinforced core. The loose tube (and filler rope) is twisted around the central reinforcing core to form a compact and round cable core, and the gaps in the cable core are filled with water blocking fillers. Plastic coated aluminum tape (APL) is longitudinally wrapped and then extruded with a layer of polyethylene inner sheath. Double-sided plastic coated steel tape (PSP) is longitudinally wrapped and then extruded with polyethylene sheath to form cables.

Place of Origin: Shenzhen,China
Brand Name: OPTICO
Model Number: OP-GYTA53-144F
Number of Conductors: ≥ 10
Type: Coaxial
Color: Black
Application: Aerial and Duct

Jacket: Double PE
Product name: GYTA53 144 Core Armored Fiber Cable
Core: 144
Fiber: G652D 9/125um
Packaging: 2/3/4km per reel

Features:

Using "SZ" bidirectional layer twisting technology
●Filling water blocking ointment step by step, water blocking in full section
●Steel (aluminum) belts have reliable bonding, high strength and no cracking when twisted
●Stable fiber excess length control
●After the cable is formed, the additional attenuation of the optical fiber is almost zero, and the dispersion value does not change
●Excellent environmental performance, applicable temperature range is -10℃~+70℃
●Suitable for overhead, pipeline, direct buried and other laying methods
●Metal center reinforcement (phosphorized steel wire)
●Double-sided plastic-coated aluminum tape-polyethylene bonded inner sheath
●Double-sided plastic-coated wrinkled steel tape-polyethylene bonded inner sheath
●Double-sided plastic-coated aluminum tape-polyethylene bonded sheath, excellent moisture resistance
●Double armor and double armor structure, excellent compression resistance
●Can effectively prevent damage to rodents

Applications:

●Long-distance communication, inter-office communication
●Especially suitable for occasions with high requirements on moisture proof, rodent proof, etc.

Specifications:

Optical Characteristics					
		G.652	G.655	50/125μm	62.5/125μm
Attenuation(+20℃)	'@850nm			≤3.0 dB/km	≤3.0 dB/km
	'@1300nm			≤1.0 dB/km	≤1.0 dB/km
	'@1310nm	≤0.36 dB/km	≤0.40 dB/km		
	'@1550nm	≤0.22 dB/km	≤0.23 dB/km		
Bandwidth(Class A)	'@850nm			≥500 MHz·km	≥200 MHz·km
	'@1300nm			≥1000 MHz·km	≥600 MHz·km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λcc		≤1260nm	≤1480nm		

Cable Type	Fiber Count	tubes	fillers	Cable Weight kg/km	Tensile Strength	Crush Resistance	Bending Radius
					Long/Short TermN	Long/Short Term N/100mm	Static/Dynamic mm
GYTA53	2~6	1	7	255	short term	1000/3000	10D/20D
GYTA53	8~12	2	6	255	600N and	1000/3000	10D/20D

					long		
GYTA53	14-18	3	5	255	term 1500N or	1000/3000	10D/20D
GYTA53	20-24	4	4	255	take Max.	1000/3000	10D/20D
GYTA53	26-30	5	3	255	value in 1KM	1000/3000	10D/20D
GYTA53	32-36	6	2	255	weight	1000/3000	10D/20D
GYTA53	38-42	7	1	255		1000/3000	10D/20D
GYTA53	44-48	8	0	255		1000/3000	10D/20D
GYTA53	50-60	5	3	320		1000/3000	10D/20D
GYTA53	62-72	6	2	320		1000/3000	10D/20D
GYTA53	74-84	7	1	320		1000/3000	10D/20D
GYTA53	86-96	8	0	320		1000/3000	10D/20D
GYTA53	98-108	9	1	380		1000/3000	10D/20D
GYTA53	110-120	10	0	380		1000/3000	10D/20D
GYTA53	122-132	11	1	415		1000/3000	10D/20D
GYTA53	134-144	12	0	415		1000/3000	10D/20D
Storage/Operating Temperature : -40℃ to + 70℃							

Certificates:

CE

CPR

ISO

RoHS

Workshop:

Keywords: GYTA53, armored fiber cable, 144 cores fiber cable;