ZION

Direct Buried Installation Optical Fiber Cable

Good quality & Good service based on reasonable prices.

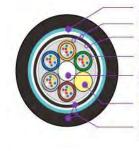
+ OEM customized production according to your requirements.

+ Standardized products and services according to our own brand.



GYFTA53 -1 Direct Buried Installation Optical Fiber Cable Double Sheath PSP APL Enhanced Armor





Armor Water Blocking Material Moisture-proof Loose Tube Thermoplastic Central Strength Member GFRP Filler Elements Thermoplastic rods Sheath Black PE

Application:

Good crush resistance

Direct buried installation

		G.652.D	G.655	50/125um	62.5/125um
	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
Attenuation	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Dava ak u i akkla	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



ltem	Contents	Value							
Item	Fiber Count	24	48	72	96	144	288		
	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12		
Loose Tube	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4		
Central	Material				FRP				
strength	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6		
member	Coated CSM diameter (mm)	-	-	-	4.2	7.2	4.8		
Water Blocking material	Material		Cable filling compound						
Moisture- proof	Material	Laminated aluminum tape							
Inner Sheath	Thickness (mm)			Nom	inal:1.0				
Armor	Material			Corrugate	d steel tape				
Outer Sheath	Thickness (mm)			Nom	iinal:2.0				
Cable diameter	(mm)Approx.	14.2	15.0	15.0	16.8	20.0	22.4		
Cable weight(k	g/km)Approx.	210	230	230	280	350	440		
Operating tem	oerature range(℃)			-4C	l~+70				
	n Short/ Long Term(N)			270	0/900				
ienslie Strengtr		1000/300							





GYFTA54-1 Anti-Rodent Direct Buried Installation Optical Fiber Cable Double PE Nylon Sheath PSP Glass Yarns Tape Enhanced Armor





Armor Water Blocking Material Moisture-proof Loose Tube Thermoplastic Central Strength Member GFRP Filler Elements Thermoplastic rods Sheath Black PE Anti-termite Sheath Nylon

Application:

Rodent and termite resistance

Good crush resistance

Direct buried installation

		G.652.D	G.655	50/125um	62.5/125um
	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
Attonuction	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
Attenuation	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Danah vialta	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-





ltom	Contents	Value							
ltem	Fiber Count	24	48	72	96	144	288		
	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12		
Loose Tube	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4		
Central	Material				FRP				
strength	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6		
member	Coated CSM diameter (mm)	-	-	-	2.6 2.6 2.6 - 4.2 7.2 Cable filling compound Laminated aluminum tape Nominal:1.0 Corrugated steel tape Nominal:1.5	4.8			
Water Blocking material	Material								
Moisture- proof	Material	Laminated aluminum tape							
Inner Sheath	Thickness (mm)			Nom	ninal:1.0				
Armor	Material			Corrugate	d steel tape				
Middle Sheath	Thickness (mm)			Norr	ninal:1.5				
Outer Sheath	Thickness (mm)			Nom	iinal:0.5				
Cable diameter	(mm)Approx.	14.4	15.0	15.0	16.8	20.0	22.4		
Cable weight(k	g/km)Approx.	225	250	250	300	370	465		
Operating temp	perature range(°C)	-40~+70							
Tensile Strength	n Short/ Long Term(N)	2700/900							
Crush resistanoo	e short/long term (N/100mm)			300	0/1000				
The colour arrai	ngement of fibre and tube is spe	cified in the	colour identific	ation table.					
Other structure	and fibre count are also available		· · · · · · · · · · · · · · · · ·						



GYFY53 Direct Buried Optical Fiber Cable FRP CSM Double Sheath PSP Enhanced Armor





Ripcord Armor Water Blocking Tape Loose Tube Thermoplastic Central Strength Member GFRP Filler Elements Thermoplastic rods Sheath Black PE

Application:

Excellent crush resistance

Direct buried installation

Semi-dry core design, easy for installation and splice

		G.652.D	G.655	50/125um	62.5/125um
	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
Attenuation	@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	-	-
Danahuiatta	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



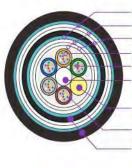
ltana	Contents			Va	alue			
Item	Fiber Count	24	48	72	96	144	288	
La ana Tula a	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12	
Loose Tube	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4	
Central	Material			F	RP			
strength	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6	
member	Coated CSM diameter (mm)	-	-	-	4.2	7.4	4.8	
Water Blocking material	Material		water blocking tape					
Inner Sheath	Thickness (mm)			Nom	inal:1.0			
Armor	Material			Corrugated	d steel tape			
Outer Sheath	Thickness (mm)			Nom	inal:2.0			
Cable diameter	(mm)Approx.	14.4	15.4	15.4	16.8	20.2	22.4	
Cable weight(k	3/km)Approx.	200	230	230	270	350	430	
Operating temp	perature range(°C)			-40	~+70			
Tensile Strength	n Short/ Long Term(N)	2700/900						
Crush resistance short/long term (N/100mm)		3000/1000						





GYFZS53 Direct Buried Fire resistant Optical Fiber Cable Double Sheath PSP Enhanced Armor





Armor Water Blocking Material Fire-Resistant Layer Tube Filling Compound Optical Fiber Central Strength Member GFRP Filler Elements Thermoplastic rods Loose Tube Thermoplastic Sheath Black LSZH

Application:

Semi-dry core design, easy for installation and splice. Good flame retardant and fire resistance performance.

Fully comply with IEC 60332-1-2, IEC 60332-3-24, IEC 60331-11/25 (comply 750°C*90Minutes), IEC 60754-1~2, IEC 61034(smoke density ≥50%)

Suitable for the telecom system in the subway, tunnel and mine.

		G.652.D	G.655	50/125um	62.5/125um
	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
A + b = b ² =	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
Attenuation	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Deve de la lub	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



ltom	Contents			Va	alue						
ltem	Fiber Count	12	36	72	96	144	192				
	No. of tubes*fibres per tube	1*12	3*12	6*12	8*12	12*12	16*12				
Loose Tube	Outer diameter (mm)	2.1	2.1	2.1	2.1	2.1	2.1				
Central	Material				FRP						
strength	Diameter (mm)	2.25	2.25	2.25	2.25	2.6	2.25				
member	Coated CSM diameter (mm)	-	-	-	3.7	6.1	-				
Water Blocking material	Material		Water blocking yarn or tape								
Fire-Resistant Layer	1 st Inner Layer		Mica tape.								
Armor	Material			Corrugate	d steel tape						
Outer Sheath	Thickness (mm)			Nom	inal:2.0						
Cable diameter	(mm)Approx.	16.5	16.5	16.5	18.1	21.5	21.5				
Cable weight(k	g/km)Approx.	280	280	280	350	520	560				
Operating temp	perature range(℃)	-40~+70									
		2700/900									
Tensile Strength	n Short/ Long Term(N)				3000/1000						

The colour arrangement of fibre and tube is specified in the colour identification table.





GYTS53 Direct Buried Installation Optical Fiber Cable Double Sheath PSP Enhanced Armor





Armor Loose Tube Thermoplastic Water Blocking Material Optical Fiber Central Strength Member Phosphate steel wire Filler Elements Thermoplastic rods Anti-Rodent Armor Sheath Black PE

Application:

Excellent Anti-rodent performance.

Excellent crush resistance

Direct-buried installation and aerial installation.

		G.652.D	G.655	50/125um	62.5/125um
	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
Attenuation	@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	-	-
Deve els vielte	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	≥50	≥1000 MHz · km	≥600 MHz · km	
Polarization	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-

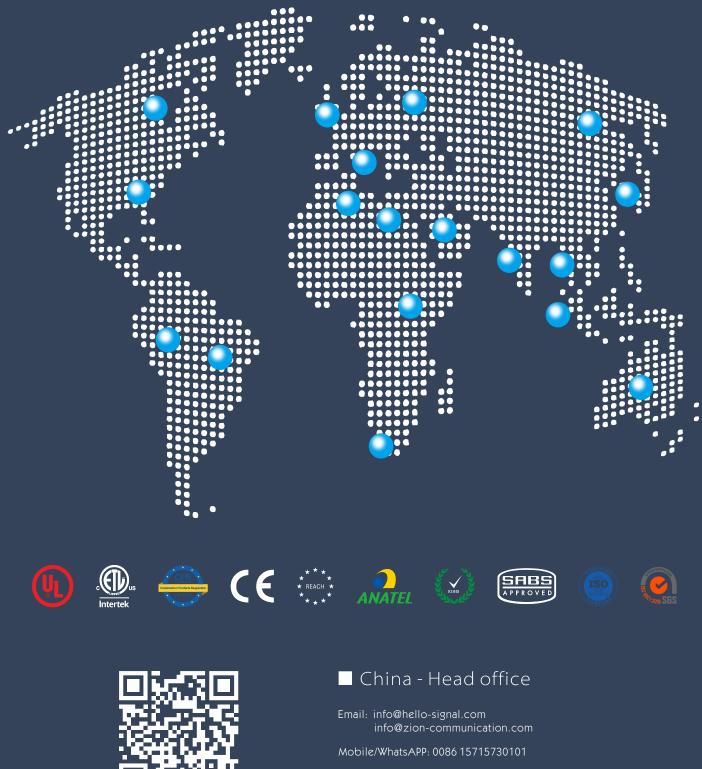


lt e ve	Contents	Value							
ltem	Fiber Count	24	48	72	96	144	288		
	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12		
Loose Tube	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4		
Central	Material			Phosphate	ed steel wire				
strength	Diameter (mm)	2.0	2.0	2.0	2.0	2.0	2.0		
member	Coated CSM diameter (mm)	-	2.6	2.6	4.2	7.4	4.8		
Water Blocking material	Material		Cable filling compound						
Armor	Material	Corrugated steel tape							
Inner Sheath	Thickness (mm)			Nom	inal:1.0				
Anti-Rodent Armor	Material		Corrugated steel tape						
Outer Sheath	Thickness (mm)			Nom	inal:2.0				
Cable diameter	(mm)Approx.	14.2	15.7	15.7	17.5	21.0	23.0		
Cable weight(ke	g/km)Approx.	230	265	265	305	390	460		
Operating temp	perature range(°C)	-40~+70							
Tensile Strength	n Short/ Long Term(N)			300	0/1000				
Crush resistance	e short/long term (N/100mm)			300	0/1000				
The colour arrar	ngement of fibre and tube is spe	cified in the	colour identifica	ation table.					





GLOBAL MARKET



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