

Aerial Installation Optical Fiber Cable

Specializing in designing, manufacturing cables and providing customized services for our customers



GYAXTC8Y Central Tube Aerial Installation Optical Fiber Cable Figure-8 Self-Sipporting



Application:

Good mechanical and environmental Performances.

Small size and light weight, easy for installation.

Self-supporting aerial 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	-	-
Dava alı vi altila	@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	<u>-</u>	-



	Contents	Value							
ltem	Contents			7 (1)			ı		
	Fiber Count	2	4	6	12	18	24		
Loose Tube	Outer diameter (mm)	3.0	3.0	3.0	3.0	3.2	3.2		
Charl Wina	Material	Galvanized steel wire							
Steel Wire	Diameter (mm)	1.5							
Chaath	Material	PE							
Sheath	Thickness (mm)	Nominal:1.0							
Cable diameter	(mm)Approx.	5.4/*10.5mm	5.4/*10.5mm	5.4/*10.5mm	5.4/*10.5mm	5.6/*10.5mm	5.6/*10.5mm		
Cable weight(k	g/km)Approx.	46	46	46	46	48	48		
Operating temp	oerature range($^{\circ}$ C)	-40~+70							
Tensile Strength	n Short/ Long Term(N)	1500/600							
Crush resistance short/long term (N/100mm)		1000/300							

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



GYAXTC8Y-Small Central Tube Aerial Installation Optical Fiber Cable Figure-8 Self-Sipporting



Application:

Good mechanical and environmental Performances.

Small size and light weight, easy for installation.

Self-supporting aerial 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	-	-
Dava alı vi altila	@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	<u>-</u>	-



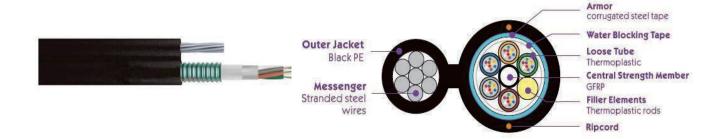
Contents			Val	lue					
Fiber Count	2	4	6	12	18	24			
Outer diameter (mm)	2.8	2.8	2.8	2.8	3.2	3.2			
Material			Galvanized	d steel wire					
Diameter (mm)		7*0.8							
Material	PE								
Thickness (mm)	Nominal:0.8								
(mm)Approx.	4.4/*9.5mm	4.4/*9.5mm	4.4/*9.5mm	4.4/*9.5mm	4.6/*9.5mm	4.6/*9.5mm			
g/km)Approx.	66	66	66	66	68	68			
perature range($^{\circ}\!$			-40~	-+70					
Short/ Long Term(N)	1500/600								
Crush resistance short/long term (N/100mm)		1000/300							
	Fiber Count Outer diameter (mm) Material Diameter (mm) Material Thickness (mm) (mm)Approx. g/km)Approx. perature range(°C) Short/ Long Term(N)	Fiber Count 9 Outer diameter (mm) 2.8 Material Diameter (mm) Material Thickness (mm) (mm)Approx. 4.4/*9.5mm 3/km)Approx. 66 Derature range(°C) Short/ Long Term(N)	Fiber Count 9 4 Outer diameter (mm) 9.8 2.8 Material Diameter (mm) 4.4/*9.5mm Material 4.4/*9.5mm 4.4/*9.5mm (mm)Approx. 66 66 3/km)Approx. 66 66 Derature range(°C) 5hort/ Long Term(N)	Fiber Count 9 4 6 Outer diameter (mm) 2.8 2.8 2.8 Material Galvanized Diameter (mm) 7* Material Nomin Thickness (mm) Nomin (mm)Approx. 4.4/*9.5mm 4.4/*9.5mm g/km)Approx. 66 66 oerature range(*C) -40- a Short/ Long Term(N) 1500	Fiber Count 2 4 6 12 Outer diameter (mm) 2.8 2.8 2.8 Material Galvanized steel wire Diameter (mm) 7*0.8 Material PE Thickness (mm) Nominal:0.8 (mm)Approx. 4.4/*9.5mm 4.4/*9.5mm 4.4/*9.5mm g/km)Approx. 66 66 66 66 66 short/ Long Term(N) 1500/600	Fiber Count 2 4 6 12 18 Outer diameter (mm) 2.8 2.8 2.8 2.8 3.2 Material Galvanized steel wire Diameter (mm) 7*0.8 Material PE Thickness (mm) Nominal:0.8 (mm)Approx. 4.4/*9.5mm 4.4/*9.5mm 4.4/*9.5mm 4.4/*9.5mm 4.6/*9.5mm 3/km)Approx. 66 66 66 66 68 Derature range(°C) -40~+70 Short/ Long Term(N) 1500/600			

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



GYFC8S

Light Amored Self-supporting Figure 8 Cable



Application:

High tensile resistance

High crush resistance

Self-supporting aerial 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
A 44 41	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
Attenuation	@1310nm	≤0.36 dB/km	≤0.40 dB/km	<u>-</u>	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	<u>-</u>	-
Dava alı , i altıla	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
Polarization mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-

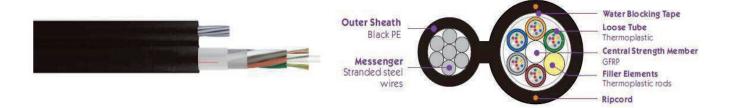


lkono	Contents			Value			
ltem	Fiber Count	24	48	72	96	144	
Loose Tube	No.of tubes*fibres pertube	4*6	4*12	6*12	8*12	12*12	
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	
	Material	FRP					
Central Strength member	Diameter (mm)	2.0	2.0	2.6	2.6	2.6	
	Coated CSM diameter (mm)	-	-	-	4.2	7.4	
Water Blocking material	Material	Water Blocking Tape & Yarn					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Armor	Material		C	orugated steel tap	oe		
Messenger Wire	Structure and diameter (mm)			7*1.6			
Outer Sheath	Thickness (mm)			Nominal:1.8			
Cable diameter(mm)Appro	DX.	11.1/*22.1mm	12.1/*23.1mm	12.6/*23.6mm	14.6/*25.6mm	17.6/*28.6mm	
Cable weight(kg/km)Appro	DX.	280	310	330	370	440	
Operating temperature ran	ge(°C)			-40~+70			
Tensile Strength Short/ Long Term(N)		8000/2700					
Crush resistance short/long term (N/100mm)		2000/600					

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



GYFC8Y FRP CSM Aerial Installation Optical Fiber Cable Figure-8 Self-supporting



Application:

High tensile strength

Self-supporting aerial 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
Attonuation	@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 alı vi altıla	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
Polarization mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-

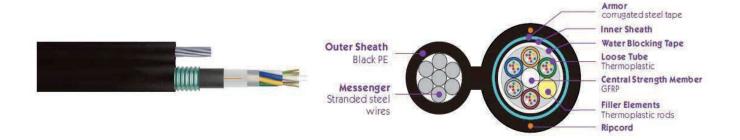


14	Contents			Va	Value				
Item	Fiber Count	24	48	72	96	144	288		
Loose Tube	No.of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12		
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4		
	Material			FI	RP				
Central Strength member	Diameter (mm)	2.0	2.0	2.6	2.6	2.6	2.6		
	Coated CSM diameter (mm)	-	-	-	4.2	7.4	4.8		
Water Blocking material	Material	Water Blocking Tape							
Messenger Wire	Structure and diameter (mm)			7*	1.6				
Sheath	Thickness (mm)			Nomi	nal:1.8				
Cable diamet	ter(mm)Approx.	10.0/*21.0mm	10.8/*21.8mm	11.6/*22.6mm	13.2/*24.2mm	16.4/*27.4mm	19.2/*30.2mm		
Cable weight	:(kg/km)Approx.	200	245	265	290	340	425		
Operating te	mperature range(°C)	-40~+70							
Tensile Streng	gth Short/ Long Term(N)	(N) 8000/2700							
Crush resistar (N/100mm)	noe short/long term	1000/300							

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



GYFC8Y53 FRP CSM Double Sheath Aerial Installation Optical Fiber Cable Figure-8 Self-supporting



Application:

High tensile resistance High crush resistance

Semi-dry core design, easy for installation and splice

Self-supporting aerial installation

		C 450 D	C 4FF	F0/10Fum	40 F/10Funa
		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
Attenuation	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
bariawiatri	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
Polarization mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



lkono	Contents			Value			
ltem	Fiber Count	24	48	72	96	144	
Loose Tube	No.of tubes*fibres pertube	4*6	4*12	6*12	8*12	12*12	
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	
	Material	FRP					
Central Strength member	Diameter (mm)	2.0	2.0	2.6	2.6	2.6	
	Coated CSM diameter (mm)	-	-	-	4.2	4.8	
Water Blocking material	Material	Water Blocking Tape & Yarn					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Armor	Material		C	orugated steel tap	oe		
Messenger Wire	Structure and diameter (mm)			7*1.6			
Outer Sheath	Thickness (mm)			Nominal:2.0			
Cable diameter(mm)Appro	DX.	13.4/*24.4mm	15.0/*26.0mm	15.4/*26.4mm	16.8/*27.8mm	20.2/*31.2mm	
Cable weight(kg/km)Appro	DX.	270	320	350	390	420	
Operating temperature ran	ge(°C)			-40~+70			
Tensile Strength Short/ Long Term(N)		8000/2700					
Crush resistance short/long term (N/100mm)		3000/900					

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



GYFTC8A |GYTC8A FRP CSM Aluminum Armored Aerial Installation Optical Fiber Cable Figure-8 Self-supporting



Application:

High tensile strength

Self-supporting aerial installation

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



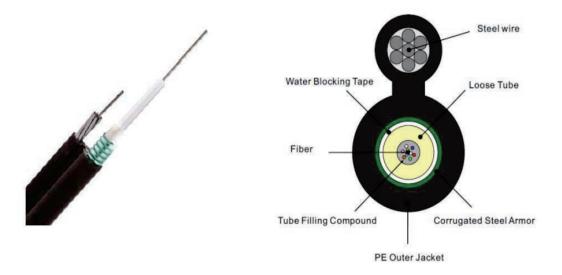
16	Contents			Val	lue		
Item	Fiber Count	24	48	72	96	144	288
Loose Tube	No.of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4
	Material			FRP	Steel		
Central Strength member	Diameter (mm)	2.0	2.0	2.6	2.6	2.6	2.6
	Coated CSM diameter (mm)	-	-	-	4.2	7.4	4.8
Water Blocking material	Material	Cable filling compound					
Moisture- proof	Material	Laminated aluminum tape					
Messenger Wire	Structure and diameter (mm)			7*	1.6		
Sheath	Thickness (mm)			Nomir	nal:1.8		
Cable diame	ter(mm)Approx.	10.2/*21.2mm	10.6/*21.6mm	11.4/*22.4mm	13.6/*24.6mm	16.4/*27.4mm	19.5/*30.5mm
Cable weight	(kg/km)Approx.	220±10	250±10	270±10	310±10	360±10	450±10
Operating te	mperature range(°C)			-40~	-+70		
Tensile Strength Short/ Long Term(N) 8000/2700							
Crush resistar (N/100mm)	noe short/long term	1000/300					

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



GYXTC8S

PSP Armored Uni-tube Aerial Installation Optical Fiber Cable Figure-8 Self-supporting



Application:

Good mechanical and environmental Performances.

Small size and light weight, easy for installation.

Self-supporting aerial installation.

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

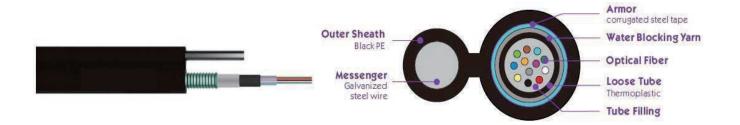


ltem	Contents	Value							
	Fiber Count	2	4	6	12	18	24		
Loose Tube	Outer diameter (mm)	3.0	3.0	3.0	3.0	3.2	3.2		
Steel Wire	Material	galvanized steel wire							
	Diameter (mm)	7*1.9							
Sheath	Thickness (mm)	Nominal:0.8							
Cable diameter(mm)Approx.		6.3*15.0mm							
Cable weight(kg/km)Approx.		125KG							
Operating temperature range(°C)		-40~+70							
Tensile Strength Term(N)		7000							
Crush resistanoe(N/100mm)		1500							

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



GYXTC8S-Small PSP Armored Uni-tube Aerial Installation Optical Fiber Cable Figure-8 Self-supporting



Application:

Good mechanical and environmental Performances.

Small size and light weight, easy for installation.

Self-supporting aerial installation.

		G.652.D	G.655	50/125um	62.5/125um	
Attenuation	@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	-	-	
D 1 : 101	@850nm	-	-	≥500 MHz · km	≥200 MHz · km	
Bandwidth	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km	
	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	_	
Polarization mode dispersion	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-	



ltem	Contents	Value							
	Fiber Count	2	4	6	12	18	24		
Loose Tube	Outer diameter (mm)	3.0	3.0	3.0	3.0	3.2	3.2		
Steel Wire	Material	galvanized steel wire							
	Diameter (mm)	1.6							
Sheath	Thickness (mm)	Nominal:0.8							
Cable diameter(mm)Approx.		7.0*13.0mm							
Cable weight(kg/km)Approx.		82							
Operating temperature range($^{\circ}$ C)		-40~+70							
Tensile Strength Short/ Long Term(N)		500/600							
Crush resistance short/long term (N/100mm)		1000/300							
The colour ar	rangement of fibre and t	ube is specified	in the colour ide	ntification table.					



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■ China - Head office

Email: info@hello-signal.com info@zion-communication.com

Mobile/WhatsAPP: 0086 15715730101

ADD: Zion Industrial Park, Huaqiao Road, Jincheng, Lin'an, Zhejiang, China