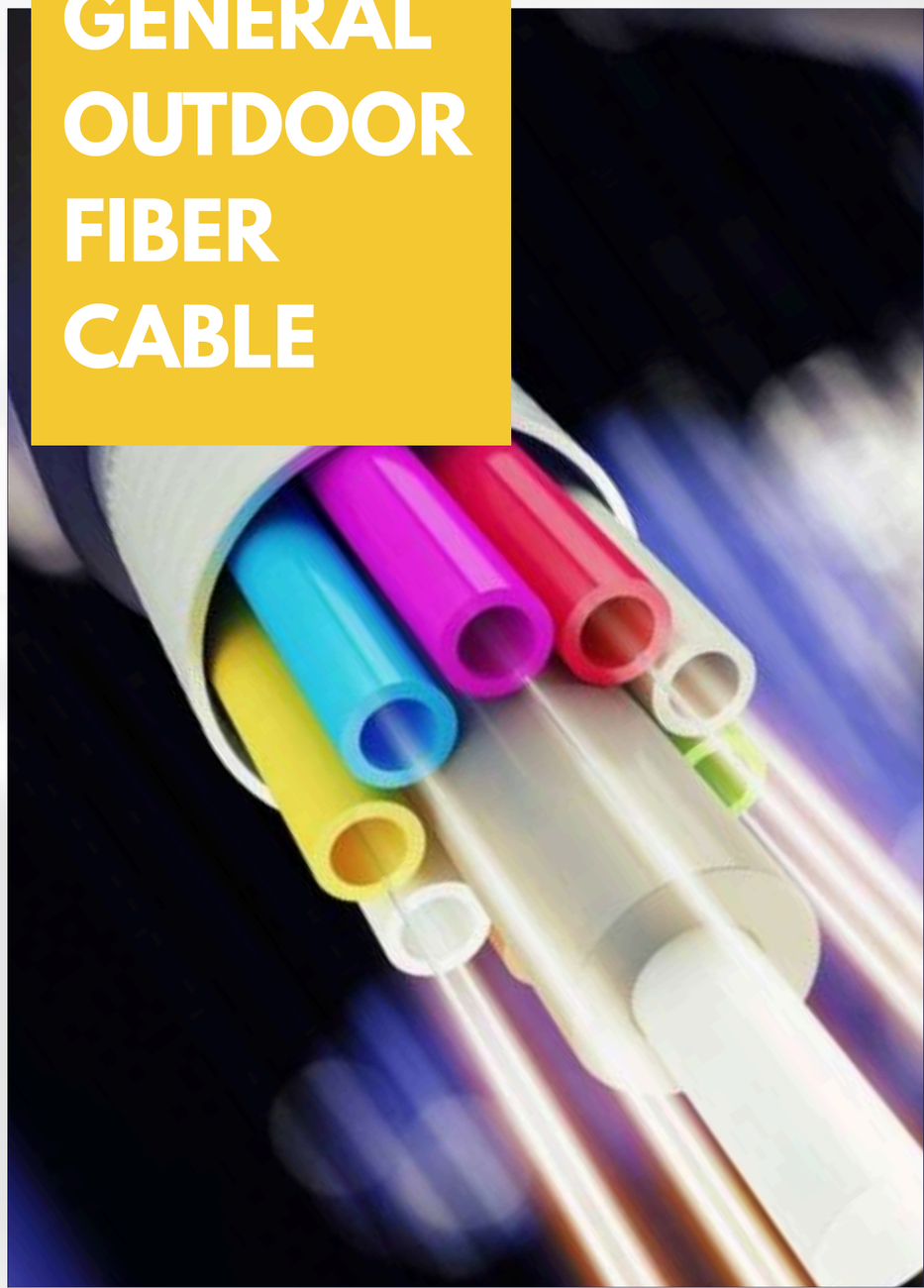
GENERAL OUTDOOR FIBER CABLE



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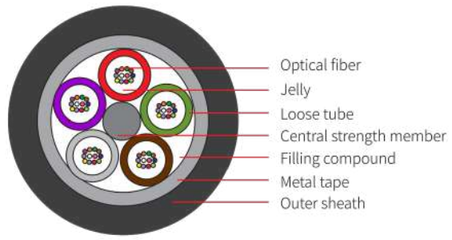
Contents

GYTA

Duct and Non-Self Supporting Aerial Cable



Technical data

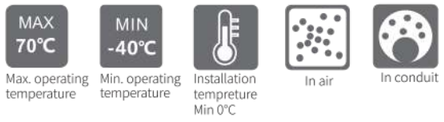
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

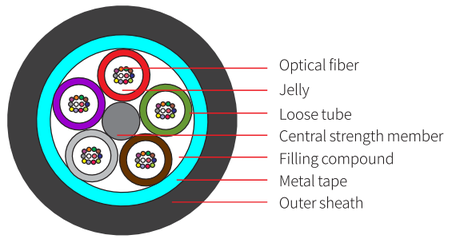
Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA	30	1500	600	1000	300	20D	10D	8.9	75
GYTA	36	1500	600	1000	300	20D	10D	9.3	88
GYTA	60	1500	600	1000	300	20D	10D	9.9	93
GYTA	72	1500	600	1000	300	20D	10D	10.5	116
GYTA	96	1500	600	1000	300	20D	10D	12.1	145
GYTA	120	1500	600	1000	300	20D	10D	13.5	172
GYTA	144	1500	600	1000	300	20D	10D	15.0	204

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

General Outdoor Optical Fiber Cable

GYTS

Duct and Non-Self Supporting Aerial Cable



Technical data

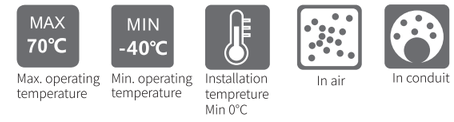
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

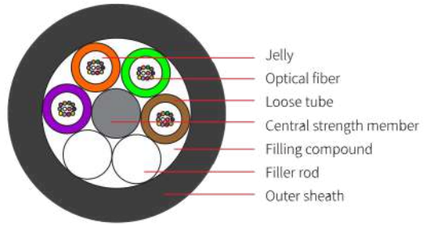
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTS	30	1500	600	1000	300	20D	10D	9.1	92
GYTS	36	1500	600	1000	300	20D	10D	9.4	105
GYTS	60	1500	600	1000	300	20D	10D	10.0	112
GYTS	72	1500	600	1000	300	20D	10D	10.6	136
GYTS	96	1500	600	1000	300	20D	10D	12.1	165
GYTS	120	1500	600	1000	300	20D	10D	13.5	195
GYTS	144	1500	600	1000	300	20D	10D	15.0	231

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYFTY

Duct and Non-Self Supporting Aerial Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Perfect lightning protection effect with all-dielectric materials

Applications

Duct and non-self supporting aerial

MAX 70°C Max. operating temperature
MIN -40°C Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Technical Specification

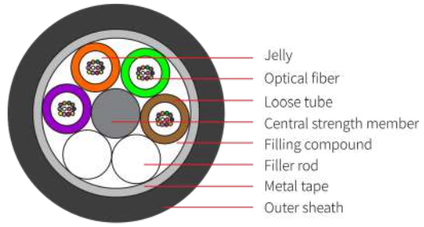
Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTY	36	1500	600	1000	300	20D	10D	9.7	79
GYFTY	48	1500	600	1000	300	20D	10D	10.9	105
GYFTY	72	1500	600	1000	300	20D	10D	11.1	103
GYFTY	96	1500	600	1000	300	20D	10D	12.7	136
GYFTY	120	1500	600	1000	300	20D	10D	14.2	167
GYFTY	144	1500	600	1000	300	20D	10D	15.9	204
GYFTY	288	1500	600	1000	300	20D	10D	18.3	270

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

General Outdoor Optical Fiber Cable

GYFTA

Duct and Non-Self Supporting Aerial Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial

MAX 70°C Max. operating temperature
MIN -40°C Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

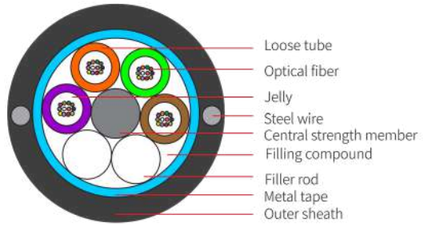
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTA	36	1500	600	1000	300	20D	10D	10.2	87
GYFTA	48	1500	600	1000	300	20D	10D	11.4	111
GYFTA	72	1500	600	1000	300	20D	10D	11.6	112
GYFTA	96	1500	600	1000	300	20D	10D	13.4	152
GYFTA	120	1500	600	1000	300	20D	10D	14.9	185
GYFTA	144	1500	600	1000	300	20D	10D	16.6	224
GYFTA	288	1500	600	1000	300	20D	10D	19.0	288

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYFTW

Duct and Non-Self Supporting Aerial Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP and parallel Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial

MAX 70°C Max. operating temperature
MIN -40°C Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

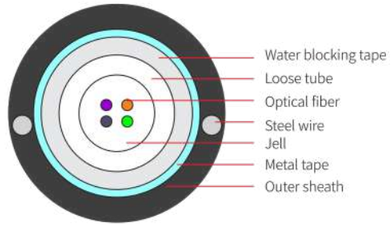
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTW	36	2700	1000	2200	1000	20D	10D	12.0	146
GYFTW	72	2700	1000	2200	1000	20D	10D	13.4	179
GYFTW	96	2700	1000	2200	1000	20D	10D	15.0	219
GYFTW	120	2700	1000	2200	1000	20D	10D	16.6	262
GYFTW	144	2700	1000	2200	1000	20D	10D	18.2	312

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYXTW

Duct and Non-Self Supporting Aerial Cable



Technical data

Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moistre corrugated steel tape

Applications

Duct and non-self supporting aerial

MAX 70°C Max. operating temperature
MIN -40°C Min. operating temperature
Installation tempreture Min 0°C
In air
In conduit

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

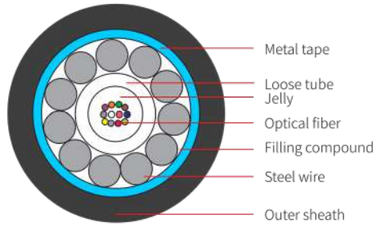
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTW	6	1500	600	1000	300	20D	10D	8.3	74
GYXTW	12	1500	600	1000	300	20D	10D	8.5	75
GYXTW	18	1500	600	1000	300	20D	10D	8.9	83
GYXTW	24	1500	600	1000	300	20D	10D	9.3	87
GYXTW	6	3000	1000	1000	300	20D	10D	9.2	98
GYXTW	12	3000	1000	1000	300	20D	10D	9.4	99
GYXTW	18	3000	1000	1000	300	20D	10D	9.8	109

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYXTS

Duct and Non-Self Supporting Aerial Cable



Technical data

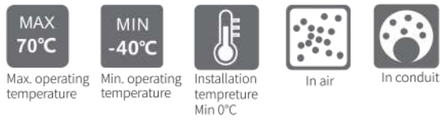
Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

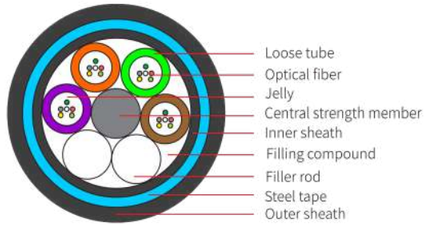
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTS	6	1500	600	1000	300	20D	10D	9.0	110
GYXTS	12	1500	600	1000	300	20D	10D	9.2	122
GYXTS	6	3000	1000	1000	300	20D	10D	9.4	129
GYXTS	12	3000	1000	1000	300	20D	10D	9.6	142

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTY53

Direct Buried Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with singe armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Direct buried

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

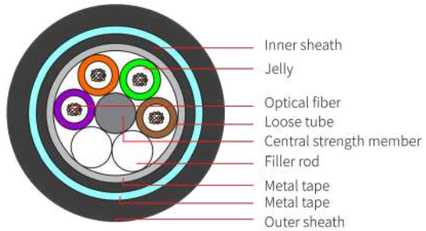
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTY53	36	3000	1000	3000	1000	25D	12.5D	11.6	161
GYTY53	60	3000	1000	3000	1000	25D	12.5D	12.2	171
GYTY53	72	3000	1000	3000	1000	25D	12.5D	12.8	198
GYTY53	96	3000	1000	3000	1000	25D	12.5D	14.1	234
GYTY53	120	3000	1000	3000	1000	25D	12.5D	15.5	269
GYTY53	144	3000	1000	3000	1000	25D	12.5D	17.0	311

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTA53

Direct Buried Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with double armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape and steel tape

Applications

Direct buried

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

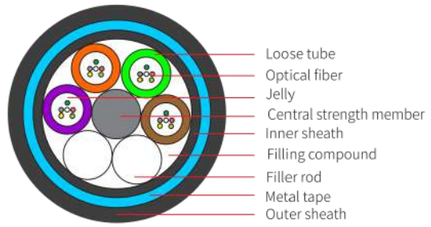
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA53	36	3000	1000	3000	1000	25D	12.5D	12.4	161
GYTA53	60	3000	1000	3000	1000	25D	12.5D	13.0	171
GYTA53	72	3000	1000	3000	1000	25D	12.5D	13.6	198
GYTA53	96	3000	1000	3000	1000	25D	12.5D	15.0	234
GYTA53	120	3000	1000	3000	1000	25D	12.5D	16.4	269
GYTA53	144	3000	1000	3000	1000	25D	12.5D	17.9	311

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYFTY53

Direct Buried Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with single armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Direct buried

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

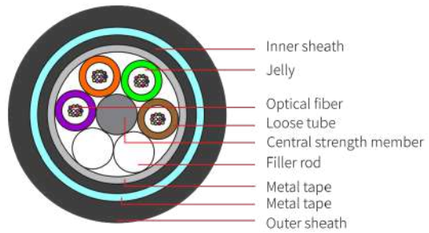
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTY53	48	3000	1000	3000	1000	25D	12.5D	13.6	174
GYFTY53	96	3000	1000	3000	1000	25D	12.5D	15.4	217
GYFTY53	120	3000	1000	3000	1000	25D	12.5D	16.9	256
GYFTY53	144	3000	1000	3000	1000	25D	12.5D	18.6	303
GYFTY53	288	3000	1000	3000	1000	25D	12.5D	21.0	377

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYFTA53

Direct Buried Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Double sheath with double armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape and steel tape

Applications

Duct and direct buried

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
Direct buried

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

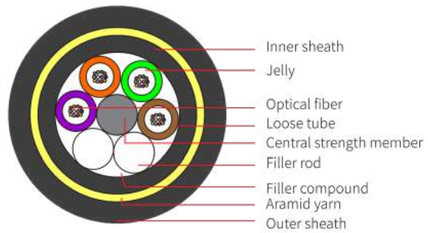
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYFTA53	48	3000	1000	3000	1000	25D	12.5D	14.5	192
GYFTA53	96	3000	1000	3000	1000	25D	12.5D	16.3	242
GYFTA53	120	3000	1000	3000	1000	25D	12.5D	17.8	283
GYFTA53	144	3000	1000	3000	1000	25D	12.5D	19.5	333
GYFTA53	288	3000	1000	3000	1000	25D	12.5D	21.9	409

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

ADSS

All Dielectric Self-supporting Aerial Optic Fiber Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: FRP
Sheath Options: Double PE Sheath
Armor: Aramid yarn
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Gel-filled loose tube protect the fiber well
- All dielectric material good for application in thunder area
- Armored with aramid yarn

Applications

All dielectric self-supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

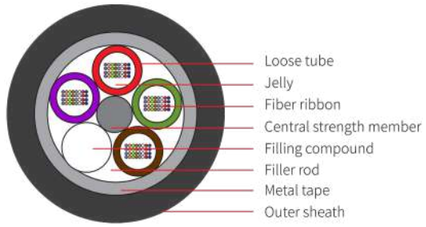
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		RTS	MAT	Short term	Long term	Dynamic	Static		
ADSS	24	40000	16000	2200	1000	25D	12.5D	13.4	145
ADSS	36	40000	16000	2200	1000	25D	12.5D	13.9	155
ADSS	72	40000	16000	2200	1000	25D	12.5D	14.8	182
ADSS	96	40000	16000	2200	1000	25D	12.5D	16.4	220
ADSS	120	40000	16000	2200	1000	25D	12.5D	18.0	262
ADSS	144	40000	16000	2200	1000	25D	12.5D	18.9	290

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYDTA

Ribbon Optic Fiber Cable



Technical data

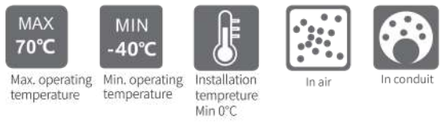
Fiber: Up to 864, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

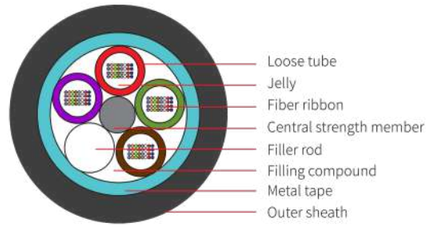
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDTA	144	1500	600	1000	300	20D	10D	16.8	246
GYDTA	192	1500	600	1000	300	20D	10D	17.4	273
GYDTA	216	1500	600	1000	300	20D	10D	19.6	328
GYDTA	288	1500	600	1000	300	20D	10D	18.5	313
GYDTA	432	1500	600	1000	300	20D	10D	21.7	418
GYDTA	576	1500	600	1000	300	20D	10D	22.3	439

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYDTS

Ribbon Optic Fiber Cable



Technical data

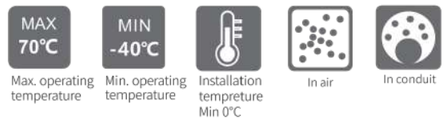
Fiber: Up to 864, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install
- Armored with anti-moisture steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

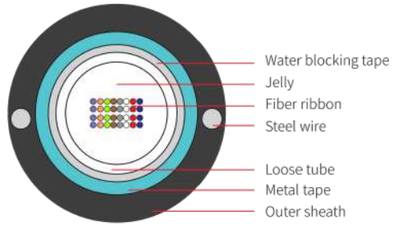
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDTS	144	1500	600	1000	300	20D	10D	16.8	246
GYDTS	192	1500	600	1000	300	20D	10D	17.4	273
GYDTS	216	1500	600	1000	300	20D	10D	19.6	328
GYDTS	288	1500	600	1000	300	20D	10D	18.5	313
GYDTS	432	1500	600	1000	300	20D	10D	21.7	418
GYDTS	576	1500	600	1000	300	20D	10D	22.3	439

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYDXTW

Ribbon Optic Fiber Cable



Technical data

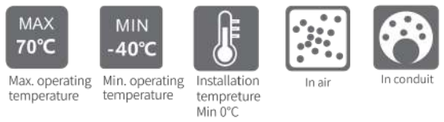
Fiber: Up to 432, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Parallel steel wire
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install
- Armored with anti-moisture steel tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

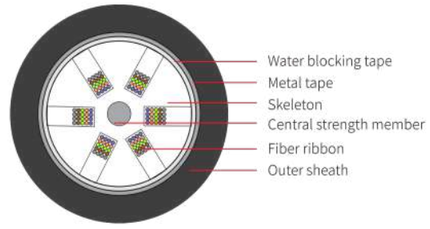
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDXTW	48	1500	600	1000	300	20D	10D	13.4	172
GYDXTW	72	1500	600	1000	300	20D	10D	14.2	191
GYDXTW	96	1500	600	1000	300	20D	10D	14.6	201
GYDXTW	144	1500	600	1000	300	20D	10D	16.0	239
GYDXTW	216	1500	600	1000	300	20D	10D	18.0	298
GYDXTW	288	1500	600	1000	300	20D	10D	18.8	320
GYDXTW	432	1500	600	1000	300	20D	10D	20.3	372

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYDGA

Ribbon Optic Fiber Cable



Technical data

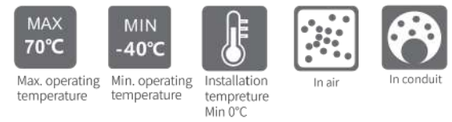
Fiber: Up to 288, Dry material
Fiber Types: Single-mode and Multimode
Cable Constructions: Slotted core
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Hight fiber density
- Easy to install with dry structure
- Armored with anti-moisture aluminum tape

Applications

Duct and non-self supporting aerial



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

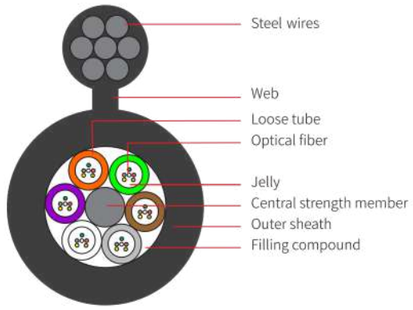
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYDGA	72	3000	1000	3000	1000	25D	12.5D	17.3	280
GYDGA	96	3000	1000	3000	1000	25D	12.5D	17.3	281
GYDGA	120	3000	1000	3000	1000	25D	12.5D	18.5	307
GYDGA	144	3000	1000	3000	1000	25D	12.5D	19.1	325
GYDGA	216	3000	1000	3000	1000	25D	12.5D	21.7	398
GYDGA	288	3000	1000	3000	1000	25D	12.5D	22.4	426

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTC8Y

FIG 8 Self-supporting Aerial Optic Fiber Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well

Applications

Self-supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

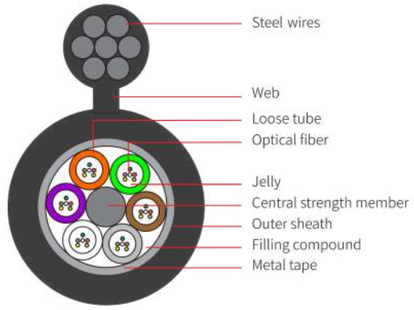
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8Y	30	3000	1000	1000	300	20D	10D	8.6×16.4	133
GYTC8Y	60	3000	1000	1000	300	20D	10D	9.6×17.4	155
GYTC8Y	30	4500	1500	1000	300	20D	10D	8.6×17.0	155
GYTC8Y	60	4500	1500	1000	300	20D	10D	9.6×18.0	177
GYTC8Y	30	7000	2000	1000	300	20D	10D	8.6×18.2	213
GYTC8Y	60	7000	2000	1000	300	20D	10D	9.6×19.2	234

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTC8A

FIG 8 Self-supporting Aerial Optic Fiber Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Aluminum tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture aluminum tape

Applications

Self-supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

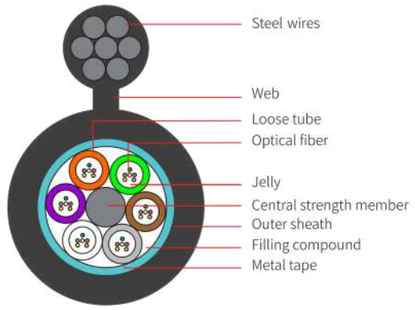
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8A	30	3000	1000	1000	300	20D	10D	9.1×16.9	142
GYTC8A	60	3000	1000	1000	300	20D	10D	10.1×17.9	165
GYTC8A	30	4500	1500	1000	300	20D	10D	9.1×17.5	164
GYTC8A	60	4500	1500	1000	300	20D	10D	10.1×18.5	187
GYTC8A	30	7000	2000	1000	300	20D	10D	9.1×18.7	222
GYTC8A	60	7000	2000	1000	300	20D	10D	10.1×19.7	245

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTC8S

FIG 8 Self-supporting Aerial Optic Fiber Cable



Technical data

Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Steel tape
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Self-supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

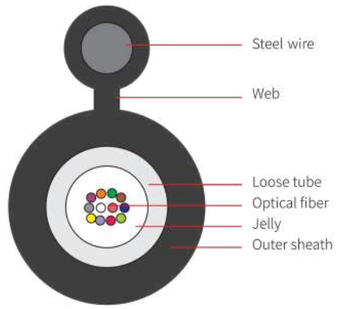
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTC8S	30	3000	1000	1000	300	20D	10D	9.1×16.9	156
GYTC8S	60	3000	1000	1000	300	20D	10D	10.1×17.9	182
GYTC8S	30	4500	1500	1000	300	20D	10D	9.1×17.5	178
GYTC8S	60	4500	1500	1000	300	20D	10D	10.1×18.5	204
GYTC8S	30	7000	2000	1000	300	20D	10D	9.1×18.7	236
GYTC8S	60	7000	2000	1000	300	20D	10D	10.1×19.7	261

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYXTC8Y

FIG 8 Self-supporting Aerial Optic Fiber Cable



Technical data

Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Steel wire
Sheath Options: Single PE Sheath
Armor: None
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well

Applications

Self-supporting aerial

MAX 70°C — Max. operating temperature
MIN -40°C — Min. operating temperature
Installation tempreture Min 0°C
In air

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

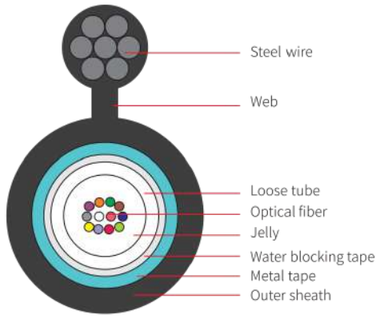
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTC8Y	12	1000	300	1000	300	20D	10D	5.1×10.2	47
GYXTC8Y	24	1000	300	1000	300	20D	10D	5.7×10.8	54
GYXTC8Y	12	3000	1000	1000	300	20D	10D	6.0×12.9	88
GYXTC8Y	24	3000	1000	1000	300	20D	10D	6.6×13.5	95

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYXTC8S

FIG 8 Self-supporting Aerial Optic Fiber Cable



Technical data

Fiber: Up to 24, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: Central tube
Strength Member: Stranded steel wires
Sheath Options: Single PE Sheath
Armor: Corrugated steel tape
Operating Temperature: -40°C - 70°C
Compliances: In accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good water resistance performance
- Easy to install
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture corrugated steel tape

Applications

Self-supporting aerial

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (850nm/1300nm)	50μm (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

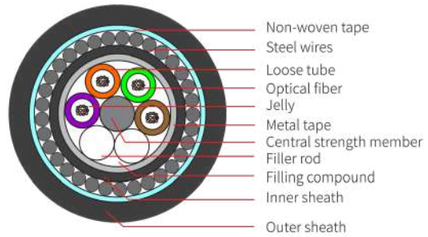
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYXTC8S	12	3000	1000	1000	300	20D	10D	7.6×14.5	117
GYXTC8S	24	3000	1000	1000	300	20D	10D	8.5×15.4	128
GYXTC8S	12	4500	1500	1000	300	20D	10D	7.6×15.1	137
GYXTC8S	24	4500	1500	1000	300	20D	10D	8.5×16.0	148

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTA33

Shallow Water Optical Fiber Cable



Technical data

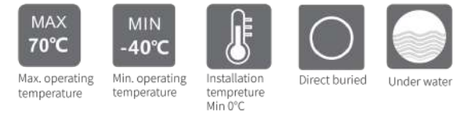
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Double PE Sheath
Armor: Aluminum tape +steel wires
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Good performance for crush and tensile
- Double sheath with double armor
- Armored with steel wires and anti-moisture aluminum tape

Applications

Shallow water and direct buried



Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (OM1) (850nm/1300nm)	50μm (OM2) (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

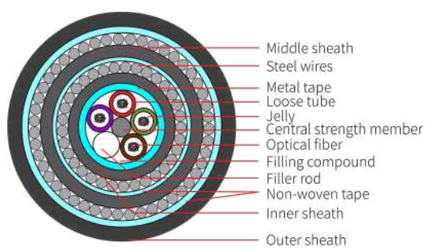
Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTA33	30	10000	4000	5000	3000	25D	12.5D	14.6	349
GYTA33	36	10000	4000	5000	3000	25D	12.5D	14.9	372
GYTA33	60	10000	4000	5000	3000	25D	12.5D	15.5	379
GYTA33	72	10000	4000	5000	3000	25D	12.5D	16.1	433
GYTA33	96	10000	4000	5000	3000	25D	12.5D	17.7	508
GYTA33	120	10000	4000	5000	3000	25D	12.5D	18.9	544
GYTA33	144	10000	4000	5000	3000	25D	12.5D	20.4	642

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

GYTS333

Shallow Water Optical Fiber Cable



Technical data

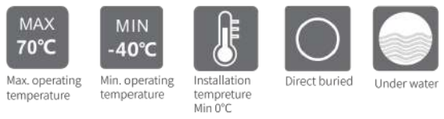
Fiber: Up to 288, Gel-filled
Fiber Types: Single-mode and Multimode
Cable Constructions: S-Z Stranded loose tube
Strength Member: Steel wire
Sheath Options: Triple PE Sheath
Armor: Corrugated steel tape +steel wires
Operating Temperature: -40°C - 70°C
Compliances: In Accordance with IEC, ITU and EIA standards

Features

- Excellent mechanical and environmental performance
- Triple sheath with triple armor
- Gel-filled loose tube protect the fiber well
- Armored with anti-moisture steel tape
- And two layers of steel wires

Applications

Shallow water and direct buried



Technical Specification

Cable type	Maximum cores	Tensile Strength		Crush Resistance		Minimum bend radius		Cable diameter	Cable weight
		Short term	Long term	Short term	Long term	Dynamic	Static		
GYTS333	36	40000	20000	6000	4000	30D	15D	23.7	1339
GYTS333	60	40000	20000	6000	4000	30D	15D	23.9	1341
GYTS333	72	40000	20000	6000	4000	30D	15D	24.5	1419
GYTS333	96	40000	20000	6000	4000	30D	15D	25.1	1420
GYTS333	120	40000	20000	6000	4000	30D	15D	26.5	1541
GYTS333	144	40000	20000	6000	4000	30D	15D	26.8	1458

Notes: 1. D denotes the diameter of the cable; 2. The above parameters are typical value; 3. The cable spec can be designed according to customer's requirement.

Fiber Transmission Performance

Cabled Optical fiber (dB/km)	62.5μm (OM1) (850nm/1300nm)	50μm (OM2) (850nm/1300nm)	G.652 (1310nm / 1550nm)	G.655 (1550nm / 1625nm)
Max attenuation	3.5/1.5	3.5/1.5	0.36/0.22	0.22/0.26
Typical value	3.0/1.0	3.0/1.0	0.35/0.21	0.21/0.24

Optical Fibre Composite Overhead Ground Wire (OPGW)

Optical fibre composite overhead ground wire (OPGW) includes fibre and at the same time maintains all the original performance and functions of the existing overhead ground wire which opens up the high-performance optical transmission channel, giving it both lightening-resistant and communication functions.

Proper ties:

Conductor: OPGW

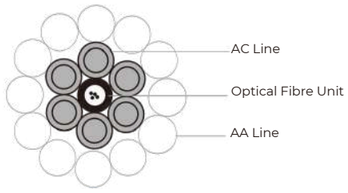
Temperature range: -40˚C to 60˚C

Voltage rating: 11kV - 1100kV

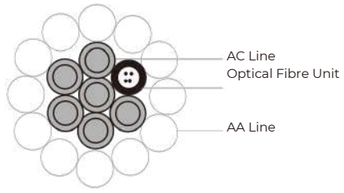
According to IEEE 1138, IEC 60794-4

OPGW Cable Structure Type:

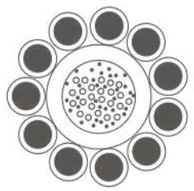
Tubular OPGW



Layer-stranded OPGW



Aluminium-clad Optical Fibre Unit Structure:

Aluminium-clad PBT Cable Core Structure	Aluminium-clad Stainless Steel Tubular Structure
	

Structure Parameters:

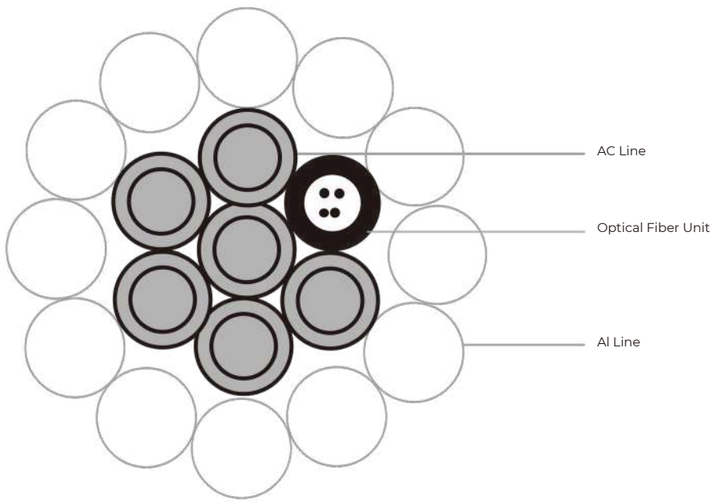
Model				OPGW-24B1-90	OPGW-24B1-100	OPGW-30B1-100	OPGW-30B1-100	OPGW-36B1-135	OPGW-36B1-135	OPGW-36B1-145	OPGW-36B1-145	OPGW-48B1-165	OPGW-48B1-165
Structure parameters	Center	Center		1	1	1	1	1	1	1	1	1	1
		Normal diameter	mm	2.6	2.6	2.85	2.85	3.2	3.2	3.3	3.3	3.5	3.8
		Material		20SA	20SA	20SA	20SA	20SA	20SA	20SA	20SA	20SA	20SA
	First layer	PCS		5	5	5	5	5	5	5	5	5	5
		Normal diameter	mm	2.5	2.5	2.75	2.75	3.1	3.1	3.2	3.2	3.4	3.6
		Material		20SA	20SA	20SA	20SA	20SA	40SA	20SA	40SA	20SA	20SA
	Second layer	PCS		12	11	11	11	12	12	12	12	12	12
		Normal diameter	mm	2.5	2.85	3.1	3.1	3.1	3.1	3.2	3.2	3.4	3.6
		Material		20SA	20SA	20SA	LHA2	20SA	40SA	20SA	40SA	20SA	20SA
	Stainless steel tube optical unit	PCS		1	1	1	1	1	1	1	1	1	1
				2.5	2.5	2.7	2.7	3	3	3.1	3.1	3.3	3.4
		Maximum quantity of optical fibre		24B1	24B1	30B1	30B1	36B1	36B1	36B1	36B1	48B1	48B1
Normal diameter			mm	12.6	13.3	14.55	14.55	15.6	15.6	16.1	16.1	17.1	18.2
Sectional area	Al-clad steel wire		mm2	88.76	100.03	119.1	36.08	136.35	136.35	145.28	145.28	163.97	184.8
	AA		mm2	-	-	-	83.02	-	-	-	-	-	-
	Total		mm2	88.76	100.03	119.1	119.1	136.35	136.35	145.28	145.28	163.97	184.8
Mass per unit length			kg/km	615.4	691.2	819.2	489.3	934.7	662.8	994.6	704.9	1125	1261.9
Rated breaking force			kN	107.04	120.63	143.64	68	164.44	83.45	174.97	88.91	193.32	211.15
20℃ DC resistance			Ω/km	0.9718	0.8626	0.7244	0.3421	0.6326	0.3215	0.5937	0.3018	0.526	0.4678
Elastic Modulus			Gpa	162	162	162	94.38	162	109	162	109	162	162
Linear expansion coefficient				13	13	13	17.8	13	15.5	13	15.5	13	15.5
Short circuit current thermal capacity				34.88	44.3	62.8	114.01	82.31	127.76	93.44	145.03	119.03	150.51

Optical Fibre Composite Overhead Phase Conductor (OPPC)

Optical fibre composite overhead phase conductor (OPPC) is a new type of special power composite cable which combines optical fibre unit and traditional phase conductor in the wire.

Proper ties:

Conductor: OPPC
Temperature range: -40˚C to 70˚C
Voltage rating: 10kV - 220kV
According to IEEE 1138, IEC 60794-4



Structure Parameters:

Model				OPPC-16B1-85/25	OPPC-16B1-90/25	OPPC-16B1-95/25	OPPC-16B1-110/25	OPPC-16B1-120/25	OPPC-16B1-150/25	OPPC-16B1-150/30	OPPC-16B1-185/25	OPPC-16B1-185/40	OPPC-16B1-210/25	OPPC-16B1-210/30	OPPC-16B1-240/30	OPPC-16B1-240/50	OPPC-20B1+4A1a-400/35
Structure parameters	Center	PCS		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		Normal diameter	mm	2.3	2.4	3.25	2.35	2.4	2.35	2.55	2.35	2.85	2.3	2.55	2.45	3.25	2.5
		Material		20AS	20AS	14AS	20AS	20AS	20AS	14AS	20AS	14AS	20AS	14AS	20AS	14AS	14AS
	First layer	PCS		5	5	5	5	5	5	5	5	5	5	5	5	5	15
		Normal diameter	mm	2.3	2.4	3.25	2.35	2.4	2.35	2.55	2.35	2.85	2.3	2.55	2.45	3.25	2.5
		Material		20AS	20AS	20AS	20AS	20AS	20AS	14AS	20AS	14AS	20AS	14AS	20AS	14AS	SUSLG14
	Stainless steel tube optical unit	PCS		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			mm	2.3	2.4	3.25	2.35	2.4	2.35	2.55	2.35	2.85	2.3	2.55	2.45	3.25	2.5
		Maximum quantity of optical fibre		16B1	20B1	48B1	16B1	20B1	16B1	24B1	16B1	30B1	16B1	24B1	20B1	48B1	20B1+A1a
	Second layer	PCS		9	9	12	8	8	11	12	10	12	9	10	9	12	10
		Normal diameter	mm	2.45	3.6	3.2	4.2	4.35	2.6	2.55	3	2.8	3.35	3.22	3.6	3.2	3.22
		Material		AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	HAL
	Third laye	PCS		/	/	/	/	/	17	18	16	18	15	16	15	18	22
		Normal diameter	mm	/	/	/	/	/	2.6	2.55	3	2.8	3.35	3.22	3.6	3.2	3.22
		Material		/	/	/	/	/	AL	AL	AL	AL	AL	AL	AL	AL	HAL
Normal diameter			mm	13.8	14.4	16.5	15.45	15.9	17.45	17.85	19.05	19.75	20.3	20.53	21.75	22.56	26.82
Sectional area	Al-clad steel wire		mm2	84.13	91.61	96.51	110.84	118.89	148.66	153.21	183.78	184.73	211.54	211.73	244.29	241.27	29.45
	Al		mm2	24.93	27.14	49.77	26.02	27.14	26.02	30.64	26.02	38.28	24.93	30.64	28.29	49.77	390.88
	Total		mm2	109.1	118.8	146.3	136.9	146.0	174.7	183.9	209.8	223.0	236.5	242.4	272.6	291.0	420.3
Mass per unit length			kg/km	410	446	645	491	521	597	659	693	803	762	819	875	1045	1321
Rated breaking force			kN	42.2	45.9	83.3	47.3	49.9	54.1	67.3	58.7	82.2	63.9	74.3	73.1	104.2	103.9
20℃ DC resistance			Ω/km	0.3106	0.2852	0.2665	0.2101	0.2242	0.1831	0.1799	0.1496	0.1489	0.1309	0.1317	0.1135	0.1141	0.0725
Reference carring capacity	40~70℃			251	265	281	293	305	344	349	387	391	415	419	456	459	620
	40~80℃			307	233	345	359	374	423	430	478	484	515	519	567	571	760
	40~90℃			352	371	397	415	430	487	195	552	560	595	601	657	663	869
Conduct wire				LGJ-95/15	LGJ-95/20	LGJ-95/55	LGJ-120/20	LGJ-120/25	LGJ-150/25	LGJ-150/35	LGJ-185/45	LGJ-210/25	LGJ-210/25	LGJ-210/35	LGJ-240/30	LGJ-240/55	LGJ-400/35