

Loose Tube Stranding Type of Outdoor Optical Fiber Cables for Telecommunication



Construction: The Corning SMF-28e+ G652.D optical fibers are placed within color-coded, gel-filled loose tubes for protection from mechanical and environmental forces. The loose tubes are then stranded around a central strength member. A water-blocking tape and/or laminated aluminum plastic tape/ laminated steel plastic armor can be applied longitudinally. And a black polyethylene jacket or halogen-free low smoke flame retardant polyolefin is applied to complete the construction of the cable.



Application : This product is suitable for use in communication distribution system.



Store Temperature: -40 to 70°C

Install Temperature: -30 to 60°C

Operating Temperature: -30 to 70°C



Bending Radius:

For Dynamic Bending Radius: 20*D

For Static Bending Radius: 10*D

D = Actual outer diameter of cable

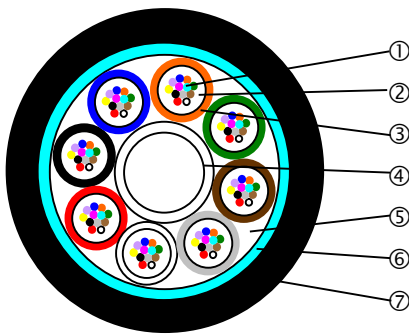


Standard: IEC 60793、IEC 60794、YD/T 901 or other standards required by customers.



Packing: Plywood reel, wooden reel and Steel/wooden reel.

Cable Structure



- ① Optical fibers
- ② Filling compound in loose tube
- ③ Loose tube
- ④ Center strength member
- ⑤ Filling compound for cable
- ⑥ water blocking tape (if have) and/or laminated aluminum plastic tape/ laminated steel plastic tape (if have)
- ⑦ Outer sheath

Type and Description

No.	Type	Description
1	GYTY	Metal strength member loose tube stranding fully filled type PE sheath outdoor optical fiber cables for telecommunication
	GYTZY	Metal strength member loose tube stranding fully filled type halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
2	GYY	Metal strength member loose tube stranding semi-dry type PE sheath outdoor optical fiber cables for telecommunication
	GYZY	Metal strength member loose tube stranding semi-dry type halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication

3	GYFTY	Non-metal strength member loose tube stranding fully filled type PE sheath outdoor optical fiber cables for telecommunication
	GYFTZY	Non-metal strength member loose tube stranding fully filled type halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
4	GYFY	Metal strength member loose tube stranding semi-dry type PE sheath outdoor optical fiber cables for telecommunication
	GYFZY	Metal strength member loose tube stranding semi-dry type halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
5	GYTA	Metal strength member loose tube stranding fully filled type laminated aluminum plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYTZA	Metal strength member loose tube stranding fully filled type laminated aluminum plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
6	GYA	Metal strength member loose tube stranding semi-dry type laminated aluminum plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYZA	Metal strength member loose tube stranding semi-dry type laminated aluminum plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
7	GYFTA	Non-metal strength member loose tube stranding fully filled type laminated aluminum plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYFTZA	Non-metal strength member loose tube stranding fully filled type laminated aluminum plastic strip halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
8	GYFA	Non-metal strength member loose tube stranding fully filled type laminated steel plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYFZA	Non-metal strength member loose tube stranding fully filled type laminated steel plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
9	GYTS	Metal strength member loose tube stranding fully filled type laminated steel plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYTzs	Metal strength member loose tube stranding fully filled type laminated steel plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
10	GYS	Metal strength member loose tube stranding semi-dry type laminated steel plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYzs	Metal strength member loose tube stranding semi-dry type laminated steel plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
11	GYFTS	Non-metal strength member loose tube stranding fully filled type laminated steel plastic strip and PE sheath outdoor optical fiber cables for telecommunication
	GYFTzs	Non-metal strength member loose tube stranding fully filled type laminated steel plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
12	GYFS	Metal strength member loose tube stranding semi-dry type laminated steel plastic strip

	GYFZS	and PE sheath outdoor optical fiber cables for telecommunication Metal strength member loose tube stranding semi-dry type laminated steel plastic strip and halogen-free polyolefin sheath flame retardant outdoor optical fiber cables for telecommunication
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Note: We can design and produce optical cables according to customers requirements of cable structures or type.

Construction Parameters

GYTY, GYTZY, GYY, GYZY

No.	No. of Cores	Sheath Nominal Thickness mm	Cable Outer Diameter±0.5mm	Cable Weight kg/km			
				GYTY	GYTZY	GYG	GYZY
1	24	1.5	8.8	75	95	70	90
2	36	1.5	9.1	80	105	80	100
3	48	1.5	9.8	90	115	80	105
4	72	1.5	10.3	105	130	100	125
5	96	1.5	11.8	130	155	120	150
6	144	1.5	14.6	185	220	170	205
7	288	1.8	17.8	265	320	230	280
8	432	1.8	19.8	325	385	270	325

GYTA, GYTZA, GYTS, GYTZS

No.	No. of Cores	Sheath Nominal Thickness mm	Cable Outer Diameter±0.5mm	Cable Weight kg/km			
				GYTA	GYTZA	GYTS	GYTZS
1	24	1.5	9.5	85	105	100	125
2	36	1.5	9.8	95	120	110	135
3	48	1.5	10.5	100	125	120	150
4	72	1.5	11	120	150	140	170
5	96	1.5	12.5	145	175	170	200
6	144	1.5	15.3	205	240	235	270
7	288	1.8	18.5	280	335	325	375
8	432	1.8	20.5	340	400	390	450

GYA, GYZA, GYS, GYZS

No.	No. of Cores	Sheath Nominal Thickness mm	Cable Outer Diameter±0.5mm	Cable Weight kg/km			
				GYA	GYZA	GYS	GYZS
1	24	1.5	10	85	110	105	130
2	36	1.5	10.3	95	120	115	140
3	48	1.5	11	100	130	125	150
4	72	1.5	11.5	120	150	145	170
5	96	1.5	13	140	170	165	200
6	144	1.5	15.8	200	240	230	270
7	288	1.8	19.0	260	315	310	360
8	432	1.8	21.0	305	365	355	415

GYFTY, GYFTZY, GYFY, GYFZY

No.	No. of Cores	Sheath Nominal Thickness mm	Cable Outer Diameter±0.5mm	Cable Weight kg/km			
				GYFTY	GYFTZY	GYFY	GYFZY
1	24	1.5	9.8	80	105	75	100
2	36	1.5	9.8	80	105	75	100
3	48	1.5	10.8	100	125	90	115
4	72	1.5	10.8	95	120	85	110
5	96	1.5	12.2	125	150	110	140
6	144	1.5	15.1	185	220	165	205
7	288	1.8	18.4	270	325	270	320
8	432	1.8	19.8	310	365	295	355

GYFTA, GYFTZA, GYFTS, GYFTZS

No.	No. of Cores	Sheath Nominal Thickness mm	Cable Outer Diameter±0.5mm	Cable Weight kg/km			
				GYFTA	GYFTZA	GYFTS	GYFTZS
1	24	1.5	10.5	95	120	115	140
2	36	1.5	10.5	95	120	115	140
3	48	1.5	11.5	110	140	135	160
4	72	1.5	11.5	110	140	135	160
5	96	1.5	12.9	140	170	165	200
6	144	1.5	15.8	205	245	235	275
7	288	1.8	19.1	285	340	330	385
8	432	1.8	20.5	325	385	375	435

GYFA, GYFZA, GYFS, GYFZS

No.	No. of Cores	Sheath Nominal Thickness mm	Cable Outer Diameter±0.5mm	Cable Weight kg/km			
				GYFA	GYFZA	GYFS	GYFZS
1	24	1.5	11.0	95	120	120	145
2	36	1.5	11.0	95	120	115	145
3	48	1.5	12.0	110	140	135	160
4	72	1.5	12.0	105	135	130	160
5	96	1.5	13.4	135	165	160	195
6	144	1.5	16.3	195	240	225	270
7	288	1.8	19.6	265	320	310	365
8	432	1.8	21.0	290	350	340	400