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ALL-DIELECTRIC SELF-SUPPORTING FIBER OPTIC CABLE

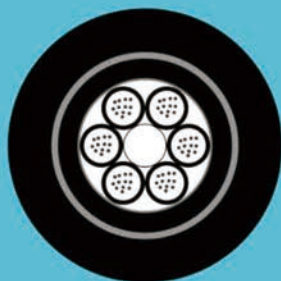
APPLICATION

- Overhead power line or telecommunication lines
- Long hual and Access
- All-dielectric self-supporting
- Light weight and small diameter
- Comply with IEC 60794-4-20

ADSS CABLE

Construction

CENTER	Fiber Reinforced Plastic strength member, sometimes sheath with PE
LOOSE TUBE	PBT(Polybutylene Terephthalate) filled with thixotropic gel
FIBERS	6 or 12 color coded fibers per tube
WATER BLOCKING	100% core filling
INNER SHEATH	Polyethylene
STRENGTH MEMBER	Aramid yarn
OUTER SHEATH	Polyethylene (Black sheath and UV resistant)



MECHANICAL PROPERTIES(2~24 FIBERS)

OUTER DIAMETER (MM)	CABLE WEIGHT (KG/KM)	MAXIMUM ALLOWED TENSION(KN)	RATED TENSILE FORCE(KN)	BEND RADIUS		WORKING TEMPERATURE	SPAN REFER TO CLIMATE TYPE			
				LONG TERM	SHORT TERM		A	B	C	D
11.7	113	4.9	12.3	25*OD	12.5*OD	-40℃ ~ +70℃	160	100	140	100
12.1	122	9.1	22.8	25*OD	12.5*OD	-40℃ ~ +70℃	300	200	290	200
12.6	133	13.4	33.5	25*OD	12.5*OD	-40℃ ~ +70℃	420	280	400	280
13.0	142	17.9	44.8	25*OD	12.5*OD	-40℃ ~ +70℃	570	380	550	380
13.6	158	23.9	59.8	25*OD	12.5*OD	-40℃ ~ +70℃	750	530	750	510

CLIMATE	TYPE A	TYPE B	TYPE C	TYPE D
WIND SPEED	25m/s	35m/s	10m/s	10m/s
ICE COVER	0mm	0mm	5mm	10mm
EXTRA LOAD	0.7N/m	0.7N/m	2.5N/m	4.4N/m



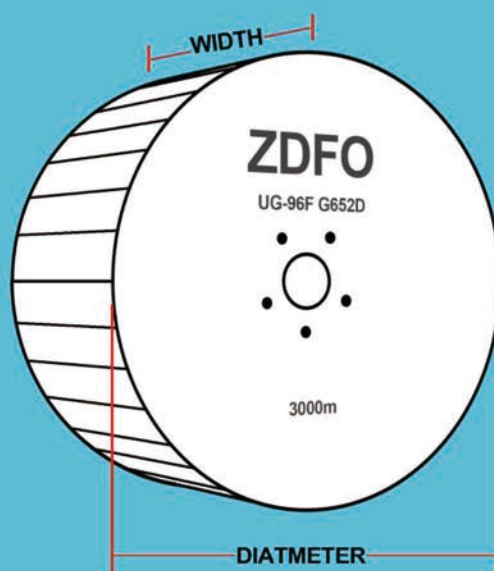
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COLOR CODING FOR FIBER AND BUFFER TUBE AS PER TIA/EIA

1	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
7	Red	8	Black	9	Yellow	10	Violet	11	Pink	12	Aqua

PACKAGING

CABLE DIA.(MM)	SUPPLYING LENGTH (M)	DRUM SIZE		GROSS WEIGHT (KG)
		DIAMETER(MM)	WIDTH(MM)	
11.7	2000	1000	720	267
	3000	1100	720	389
	4000	1200	720	507
12.1	2000	1000	720	285
	3000	1100	720	416
	4000	1200	720	543
12.6	2000	1000	720	307
	3000	1150	720	454
	4000	1250	720	602
13.0	2000	1050	720	328
	3000	1150	720	481
	4000	1300	720	651
13.6	2000	1100	720	366
	3000	1200	720	529
	4000	1350	720	724



FIBER TYPES FOR THE CABLE AS PER ITU-T STANDARDS

ITU-T G.652D	ITU-T G.655	ITU-T G.657A1	ITU-T G.657A2
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ORDER INFORMATION

No. OF	FIBER TYPE	CABLE TYPE	WIND	ICE	SPAN LENGTH	REEL	QUANTITY
24	ITU-T G.652D	ADSS	10m/s	5mm	500m	3000M	30000M

Note:
ADSS fiber optic cable must be designed according to the climate conditions of the working site.
ZDFO has ADSS cables for maximum 1800m span and our ADSS cable can carry maximum 288 fibers.
ZDFO is able to design ADSS cable according to different climate conditions and spans.
For power line over 110KV, AT sheath is used to prevent the sheath from electric corrosion.
Single jacket design is recommended if the span is less than 100m.