

**Description:**

The fibers, 250µm, are positioned in loose tubes made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A fiber reinforced plastic (FRP) locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core, then covered with a thin polyethylene (PE) inner sheath. After aramid yarn is longitudinally applied over the inner sheath. Finally the cable is completed with a PE outer sheath.

Features:

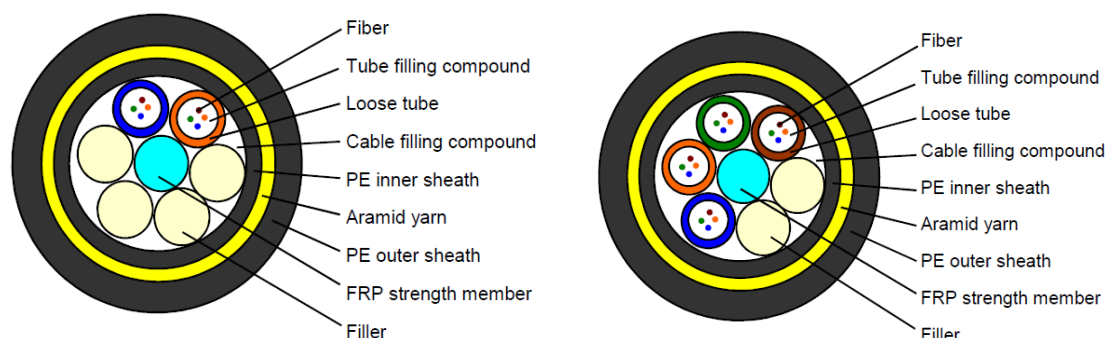
- Suitable for all types of aerial lines
- Independent telecom system
- Fast deployment
- Installation in live conditions on power lines
- Available for long, medium and short span routes

Compliances:

- ITU-T G652D
- ANSI/TIA 568-C.3
- IEC11801 2.2
- IEC-60794
- IEEE P1222
- RoHS

Applications:

- Aerial installation on the existed power lines for long distance span cabling



Note: Drawings are the 8 Fibers and 16 Fibers PE sheath cable as examples

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Strength Member	Material	FRP
	Material	Aramid Yarn
Moisture Barrier	Material	Cable Jelly
Inner / Outer Sheath	Material	HDPE / black
Operating Temperature	-40°C to +70°C	
Storage / Transport Temperature	-40°C to +70°C	
Installation Temperature	-40°C to +70°C	

Mechanical Characteristics:

Fiber Count	Tubes	Fillers	Fiber Count	Outer Sheath Diameter(mm)	Cable Weight (kg/km)	Tensile Load (N)	Crush Load (N/100mm)
6C	1	5	6	11.6±0.5mm	112	2000	2200
8C	2	4	4	11.6±0.5mm	112	2000	2200
12C	3	3	4	11.6±0.5mm	112	4000	2500
16C	4	2	4	11.6±0.5mm	112	4000	2500
24C	6	0	4	11.6±0.5mm	112	4000	2500
36C	6	0	6	12.4±0.5mm	130	4000	2500
48C	6	0	8	12.4±0.5mm	130	4000	2500
72C	6	0	12	12.4±0.5mm	132	4000	2500
96C	8	0	12	14.8±0.5mm	184	4000	2500
144C	12	0	12	17.0±0.5mm	241	4300	2500

* Bend Radius: static (10D), dynamic (20D), "D" is cable diameter.

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Fiber Color Code:

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White
No. of fiber	7	8	9	10	11	12
Color of fiber	Red	Black	Yellow	Violet	Pink	Aqua

Loose Tube Color Code:

No. of tube	1	2	3	4	5	6
Color of tube	Blue	Orange	Green	Brown	Grey	White
No. of tube	7	8	9	10	11	12
Color of tube	Red	Black	Yellow	Violet	Pink	Aqua

Optical Performance:

	wavelength	9/125 μ m
Max. Attenuation (dB/km)	1310 /1550nm	≤ 0.36 / ≤ 0.22

Ordering Information:

Part No. 260223yyy_R1

Description Fiber optic outdoor cable, multitube with central FRP strength member, SM, PE, SPAN100m

yyy, fiber count 006 / 008 / 012 / 016 / 024 / 036 / 048 / 072 / 096 / 144

Packing Information:

1. cable be wound on an iron stand-wooden composite
2. standard drum length is 2000m $\pm$ 1%
3. covered by plastic buffer sheet
4. sealed by strong wooden battens
5. at least 1.1m of inner end of cable should be reserved for testing
6. test protocol at side of the drum

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