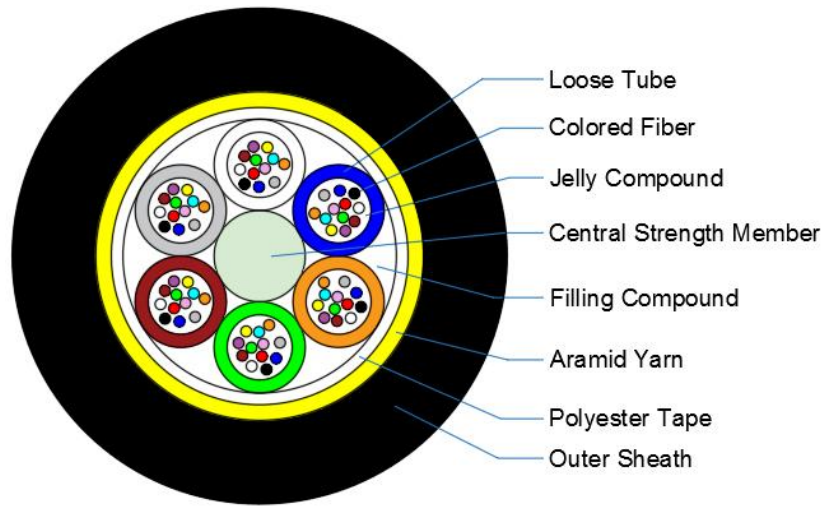


Outdoor Fiber optic cable overhead ADSS 2.7 kN (Single Sheath)



Technical data

No. of cable		8	12	24	36	48	72	96
Fiber Model		G.652D						
Design(Strength Member + Tube & Filler)		1+6						1+8
Central Strength Member	Material	FRP						
	Diameter (± 0.05) mm	2.6						3.0
Additional Sheath	Material	-	-	-	-	-	-	PE
	Diameter (± 0.05) mm	-	-	-	-	-	-	4.4
Loose Tube	Material	PBT						
	Diameter (± 0.06) mm	2.55						
	Thickness (± 0.03) mm	0.4						
Strength Member (Material)		Aramid Yarn						
Outer Sheath	Material	HDPE						
	Thickness (± 0.1) mm	1.7						
Cable Diameter (± 0.2) mm		11.8						13.6
Cable Weight (± 10) kg/km		112						146
Allowable Tensile Strength	(N)	2700						
Min. bending radius	Without Tension	10.0×Cable- ϕ						
	Under Maximum Tension	20.0×Cable- ϕ						
Temperature range	Installation	-20~+60						
	Transport &Storage	-40~+70						

(°C)	Operation	-40~+70
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Fiber Color

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

Loose Tube Color

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8				
Color	Red	Black				

The properties of single mode optical fiber (ITU-T Rec. G.652.D)

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient	
@ 1310 nm	≤ 0.35 dB/km
@ 1383 nm	≤ 0.35 dB/km
@ 1550 nm	≤ 0.21 dB/km
@ 1625 nm	≤ 0.25 dB/km
Point discontinuity	≤ 0.05 dB
Cable cut-off wavelength	≤ 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤ 0.092 ps/(nm ² .km)
PMD _Q (Quadrature average*)	≤ 0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm	9.2±0.4 μm
Core / Clad concentricity error	≤ 0.6μm
Cladding diameter	125.0 ± 1 μm
Cladding non-circularity	≤ 1.0%
Primary coating diameter	245 ± 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0oC~ +70oC @ 1310 & 1550nm	≤ 0.1 dB/km