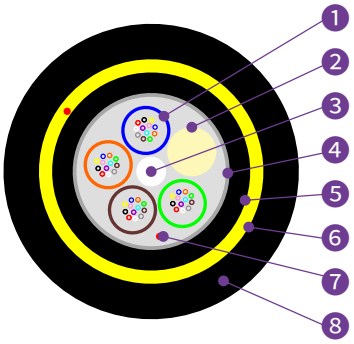
ADSS Double sheath
All Dielectric Self-supporting Aerial Cable



Features and Applications

- ✓ High tensile strength
- ✓ All dielectric structure and semi-dry core design
- ✓ Small diameter and light weight
- ✓ Self-supporting aerial installation

1. Loose Tube: thermoplastic material, containing optical fibres and filled with gel.
2. Filler Elements: thermoplastic rods.
3. Central Strength Member(CSM): glass fibre reinforced plasticrod (GFRP), coated with polyethylene when needed.
4. Longitudinal Water Blocking Material: Water blocking tape.
5. Inner Sheath: black polyethylene.
6. Peripheral Strength Member: aramid yarn.
7. Ripcord
8. Outer Sheath: black polyethylene.

Optical Characteristics

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fiber	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.10 ps/√km	≤0.10 ps/√km	-	-

Technical Data

Item	Contents	Value					
	Fibre Count	24	48	72	96	144	288
Loose Tube	No. of tubes*fibres per tube	4x6	4x12	6x12	8x12	12x12	24x12
	Outer diameter (mm)	2.1	2.5				
Central strength member	Material	GFPR					
	Diameter (mm)	2.25	2.0	2.6	2.8	3.7	2.6
	PE coated diameter (mm)				4.2	7.4	4.8
Water blocking material	Material	Water blocking tape					
Inner Sheath	Material	0.9-1.0mm thickness HDPE /MDPE					
Peripheral strength member	Material	Aramid yarn					
Outer Sheath	Thickness (mm)	1.6-2.0mm thickness HDPE /MDPE					
Cable diameter(mm) Approx.							
Cable weight(kg/km) Approx.							
Operating temperature range(°C)							
Max. span (m)							
Climate condition							
Crush resistance short/long term (N/100mm)							

- ✓ Other structure and fibre count are also available according to customer requirements.
- ✓ Cable diameter and weight in this table is typical value, which will fluctuate according to different designs
- ✓ The span needs to be recalculated due to other climate conditions according to the installation area.