SPECIFICATION

ITEM NAME： Outdoor Self-Supporting Optical Fiber Cable

ITEM NO.： **ASU-24C-DOUBLE TUBE**

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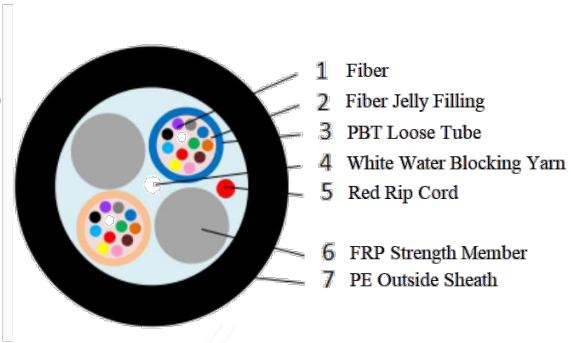
ASU

1. Cable Section Sketch Map



2.Main Technical Data Sheet

Number of fiber cores			24	
Fiber Type			G.652D	
Span		M	80	120
Center Strength Member	Material	mm	2*FRP	
	Size		2.0±0.1	2.5±0.1
Loose Tube	Material	mm	PBT	
	Diameter		2.0±0.1	2.5±0.1
	Wall Thickness		0.30±0.05	0.35±0.05
	Maximum number of cores per tube		12	12
	Plastic Tube Chromatography		Blue,Orange	
Water Blocking Layer	Material		White Water Blocking Yarn	
Outside Sheath	Material	mm	PE	
	Thickness		1.4±0.3	
Fiber Diameter		mm	8.5±0.3	10.0±0.3
Fiber Weight		kg/km	67±15%	93±15%

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Maximum Value of Attenuation Coefficient	1310nm	dB/km	0.36	
	1550nm		0.22	
Tensile Strength	Long-term	N	300	480
	Short-term		800	1200
Squashing Force	Long-term	N/100 mm	300	
	Short-term		1000	
Bending Radius	Static	mm	15 times fiber outer diameter	
	Dynamic		25 times fiber outer diameter	
Temperature	Installation	℃	-20~+60	
	Storage and Transportation		-40~+70	
	Working		-40~+70	

3.Fiber and Loose Tube Identification

The serial numbers of the optical fibers and the corresponding full chromatographic order shall be as specified in Table 1. Less than 12 optical fibers shall be selected by serial number in Table 1. The color shall be distinct and defensible, without fading or migration.

Table 1 Fiber Optic Chromatogram

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

Table 2 Loose Tube Chromatogram

Serial No.	1	2
Color	Blue	Orange

Attachment: G.652D Fiber Performance Parameters

Geometric properties	Cladding Diameter μm		125.0±1
	Cladding non-circularity%		≤1.0
	Coating Diameter μm		245±10
	Coating/cladding concentricity error μm		≤12.5
	Coating non-circularity%		≤6
	Core/cladding concentricity error μm		≤0.6
	Warpage		≥4m
Optical Characteristics	Mode Field Diameter	1310nm	9.2±0.6μm
		1550nm	10.4±0.6μm
	Attenuate dB/km	1310nm	≤0.36
		1550nm	≤0.22
	Attenuation Discontinuity	1310nm	≤0.05
		1550nm	≤0.05
	PMD		≤0.2ps/(km1/2)
	PMDq		≤0.1ps/(km1/2)
	Zero Dispersion Wavelength nm		1312±12
	Zero dispersion slope		≤0.091ps/(nm2.km)
	Cutoff Wavelength nm		≤1260

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