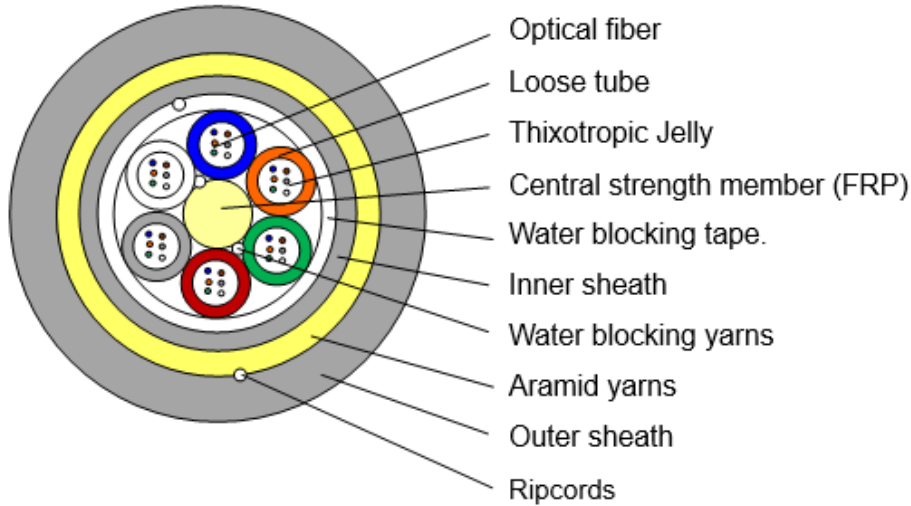


FO ADSS 24H SPAM 400, 5KM

MODELO ADSS-24B1-400-D

1.1 CONSTRUCTION OF CABLE



Item	Contents	24
Span	M	400
Structure	Type	1+6
Loose tube	Fiber counts/tube	6
	Outer diameter (mm)	2.0 ± 0.1
Central strength member	Material	FRP
	Diameter (mm)	2.3 ± 0.1
Water blocking	Material	Water Blocking Yarn & Water Blocking Tape
Inner Sheath	Material	MDPE
	Thickness (mm)	0.8 ± 0.1
Strength member	Material	Aramid yarn
Sheath	Material	HDPE
	Thickness (mm)	1.6 ± 0.2
Ripcord	Material	Polyester yarn
	No.	4
Cable diameter(mm)		12.5 ± 0.5
Cable weight(kg/km) Approx.		110 ± 10
The wind speed(m/s)		20
Icing(mm)		0
Sag(%)		1.5
MAT(N)		7200

2. TEST REQUIREMENTS

No	Item	Test standard	Method	Acceptance criteria
1	Tensile test	IEC-60794-1-E1	-Max. Tensile strength -Sample length:50 meters -Time: 1minutes;	-Attenuation increase \leq 0.10dB
2	Crush test	IEC-60794-1-E3	-Load:2200N -Time: 1 minutes -Length: 100mm	-No splits or cracks in the outer jacket; -Attenuation increase $<$ 0.10dB
3	Impact test	IEC-60794-1-E4	-Impact energy: 450g - Height:1 meter -Impact points: min.1 -Number of impacts: 5	-No splits or cracks in the outer jacket -Attenuation increase \leq 0.10dB(after the test)
4	Torsion test	IEC-60794-1-E7	-1m cable length with 150N weight - \pm 180°, 10 cycles	- No splits or cracks in the outer jacket -Attenuation increase \leq 0.10dB(after the test)
5	Repeated bending	IEC-60794-1-E6	-Radius=20 \times cable outer diameter -1m cable length with 150N weight,25 cycles	- No splits or cracks in the outer jacket -Attenuation increase \leq 0.10dB(after the test)
6	Temperature cycling test	IEC-60794-1-F1	- Variation of temperature: -40 $^{\circ}$ C \rightarrow +60 $^{\circ}$ C -Soak time: 12hrs -Number of cycles: 2 cycles	-Attenuation variation for reference value(the attenuation to be measured before test at +20 \pm 3 $^{\circ}$ C) \leq 0.10dB/km,
7	Cable bending test	IEC 60794-1-E11B	-Diameter of mandrel : 20 \times diameter of cable - Number of cycles:1 cycle	Change of attenuation shall not be greater than 0.1dB. No fiber break and no cable damage.
8	Water penetration test	IEC-60794-1-F5	-Water height: 1m -Sample length:3m -Duration of test: 24hrs	-No water leakage at the end of the sample
9	Drip test	IEC-60794-1-E14	-Five 0.3m samples suspended vertically in a climate chamber, raised temperature to +70 $^{\circ}$ C	-No filling compound shall drip from tubes after 24 hr