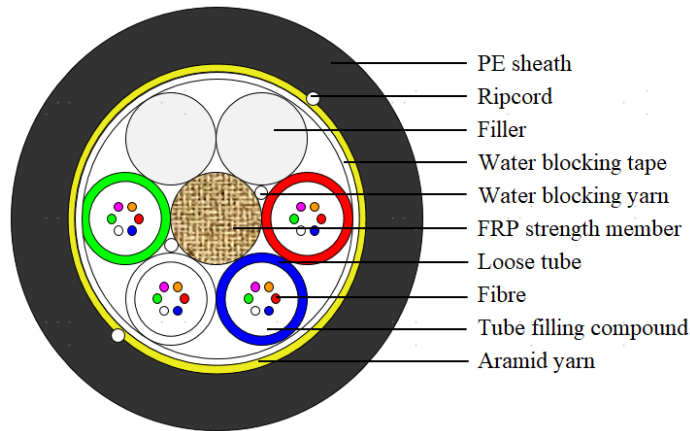


ADSS Cable

ADSS-XOTKtsdD 24J (4x6J) 657A1 3kN SPAN 80m Diameter 9,8 mm

IEC 60794-4-20



ADSS-XOTKtsdD 24J (4x6J) 657A1 3kN SPAN 80m Diameter 9,8 mm

* Schematic for reference only

Optical characteristics

Maximum attenuation value of cable @ 1310 nm	≤ 0.35 dB/km
Maximum attenuation value of cable @ 1550 nm	≤ 0.21dB/km

Dimensions and Descriptions

Fibre counts	--	2	4~24	6~36	12~72	96	144	
Fibre counts per tube	--	2	4	6	12	12	12	
Loose tube	Number	--	1	1~6	1~6	1~6	8	12
	Diameter	mm	2.1	2.1	2.1	2.2	2.2	2.2
White filler number	--	5	5~0	5~0	5~0	0	0	
Central strength member	Material	--	FRP					
	Diameter	mm	2.25	2.25	2.25	2.4	2.8(3.7)	3.5(6.8)
Water blocking material	--	Water blocking tape & yarn						
Peripheral strength member	--	Aramid yarn						
Outer sheath	Material	--	Black HDPE					
	Thickness	mm	Nominal: 1.5					
Ripcord	--	2						
Cable diameter (D) Approx.	mm	9.8	9.8	9.8	10.0	11.4	14.4	
Cable weight(W) Approx.	kg/km	75	75	75	80	100	160	
MAT (fibre strain ≤0.2%)	N	3000	3000	3000	3000	3500	4000	
EDS (fibre strain ≤0.05%)	N	2000	2000	2000	2000	2200	2500	

Environmental and installation condition

Max. wind speed	Max. ice thickness	Initial Installation sag	Temperature
16.5 m/s	12.5 mm	1.0%	-40~+70°C

Fibre & Tube Colors Identification

1	2	3	4	5	6	7	8	9	10	11	12
Red	Blue	White	Green	Purple	Orange	Grey	Yellow	Brown	Pink	Black	Aqua

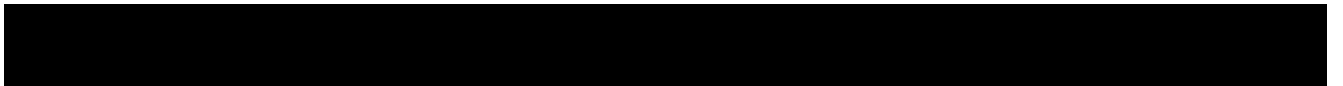
* Different color code available upon customer's requirement.

Main Mechanical and Environmental Performance

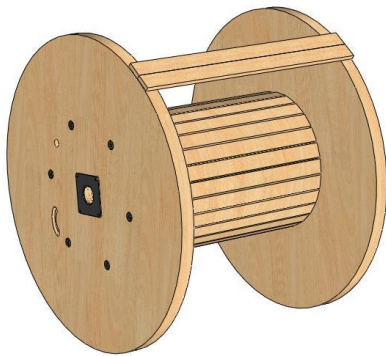
Items	Test Standard	Specified Value	Requirements
Tension	IEC 60794-1-21-E1	Load: MAT Duration time: 15 min.	Additional attenuation: ≤0.1dB during and after test
Crush	IEC 60794-1-21-E3A	Load: 1500N/100mm Duration time: 5 min	Additional attenuation: ≤0.1dB during and after test
Impact	IEC 60794-1-21-E4	R=300mm, 10J one in 3 different places	Additional attenuation: ≤0.1dB during and after test
Repeat Bending	IEC 60794-1-21-E6	R=20*D, 25 cycles Load: 40N	Additional attenuation: ≤0.1dB during and after test
Torsion	IEC 60794-1-21-E7	Length under test=2m 5 cycles, Turns: ±180° Load: 50N	Additional attenuation: ≤0.1dB during and after test
Water Penetration	IEC 60794-1-22-F5	Sample length=1m Water height=1m, 24 hours	No water leakage
Temperature Cycling	IEC 60794-1-22-F1	-40 °C ~ +70 °C 2 cycles, dwell time: 24 hours	Attenuation change: ≤0.05dB/km after test

* All attenuation measurements required in this section shall be performed at 1550nm.

Cable Sheath Marking



Packaging and Drum



- Standard reel length: 4 km/reel, other length is also available.
- The cables are packed in fumigated wooden drums.
- Both ends of the cable will be sealed with suitable plastic caps to prevent the entry of moisture during shipping, handling and storage. The inner end is available for testing.

* Different drum type available upon customer's requirement.