

Test Report													
Model No. :		ACL SM-ASU80-6FO						ACL FIBER					
Batch No. :		WN001-01/12											
Cable length(m) :		4000M											
Production Date:		10-Jul - 23											
1.Optical Characteristics													
Article		Numerical Value				Article		Numerical Value					
Cladding diameter (125±1.0μm) :		124.2~125.47				Zero dispersion wavelength (1300~1324nm) :		1308~1322					
Cladding non-circularity (φ 1.0%) :		0~0.91				Zero dispersion slope (φ 0.092ps/nm²*km) :		0.084~0.089					
Coating diameter (245±10μm) :		240~249.41				Dispersion value1285~1330nm (φ 3.5ps/nm*km) :		2.2~2.98					
Coating/cladding concentricity error (φ 0.6μm) :		0~0.5				Dispersion value1550nm (φ 18ps/nm*km) :		15.73~17.0					
Mode field diameter(MFD) (8.6~9.5±0.6μm) :		8.91~9.48				Polarization mode dispersion (φ 0.2ps/) :		0.008~0.1		√km			
Attenuation (≤ 0.05dB/km)		φ 0.04				Irregularities over fiber length and point discontinuity≤ 0.05dB		φ 0.03					
Fiber cut-off wavelength (λccφ 1260nm) :		1126~1255											
2.Mechanical Characteristics													
Article		Remark				Article		Remark					
Sheath integrity		Qualified				Electrical conductivity		Qualified					
Logo and printing		Qualified				Anti-seepage performance		Qualified					
Structure and appearance		Qualified				Package		Qualified					
Fiber color identification		Qualified				Loose tube color identification		Qualified					
3.Attenuation performance													
Attenuation dB/km													
loose tube color	Technical	Index of refraction (Standard) : 1310nm=1.46715;1550nm=1.4683 Max attenuation : 1310nmφ 0.36dB/km 1550nmφ 0.22dB/km											
	Fiber color identification	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
Blue	1310nm	0.322	0.326	0.327	0.329	0.318	0.321	0.310	0.328	0.319	0.330	0.326	0.325
	1550nm	0.189	0.185	0.187	0.188	0.192	0.186	0.184	0.181	0.183	0.194	0.185	0.187

This product conforms to the inspection standard IEC 60794-1/ITU-T G.652/ANSI/EIA/TIA 568B1

Inspector : WN008



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