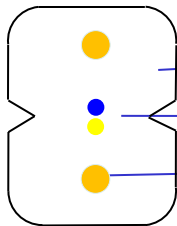


Cable Specifications Data Sheet				WI0301-TBF-DBLZ1920002				
Description		2C-FL-NSS- LSZH-BIBSM-Indoor Optical Cable		Date	02-21-2012			
 1. LSZH Jacket 2. Coloring Fiber 3. K-FRP								
Specification:								
Fiber Type		BSM G.657 A1	Wavelength (nm)		Point Discontinuity(dB)			
Mode Field Diameter(μm)		8.6±0.4@1310nm 9.7±0.5@1550nm	1310 1550		≤ 0.05 ≤ 0.05			
Cladding Diameter(μm)		125±1						
Maximum Attenuation		Wavelength (nm)	Maximum Value* (dB/km)		*Maximum specified attenuation value available within the stated ranges. **Attenuation post-hydrogen aging according to IEC 60793-2-50 Section C.5 for B.1.3 fibers Alternate attenuation offerings available upon request.			
		1310	0.33 – 0.35					
		1383 ± 3**	0.31 – 0.35					
		1490	0.21 – 0.24					
		1550	0.19 – 0.20					
		1625	0.20 – 0.23					
Macrobend Loss		Mandrel Radius (mm)	Number of Turns	Wavelength(nm)	Induced Attenuation*(dB)			
		10	1	1550	0.6			
		10	1	1625	1.4			
		15	10	1550	0.2			
		15	10	1625	0.9			
		*The induced attenuation due to fiber wrapped around a mandrel of a specified diameter.						
Core		2						
Fiber Color		Blue 、 Yellow						
Strength Member		K-FRP						
Jacket Diameter(mm)		3.1x2.0 ±0.2 mm						
Jacket color / Material		Black/LSZH						
Flammability Rating		LSZH PER IEC 60332-1						
Cable Weight		≒ 10Kg/Km						
Tensile Strength		≤9.5 kgf						
Storage Temp/Operation Temp		-30 ~ +80℃						
Installation Temp		-10 ~ +80℃						
Mechanical Test								
Item		Test Method		Spec (dB/km)				
Crush Resistance		TIA/EIA-455-41A or IEC 60794-1-2-E3		2.0Kg/mm Length 100mm. 10 mins ; 0.2dB↓				
Cable cyclic flexing		TIA/EIA-455-104A or IEC 60794-1-2-E6		25 Cycles ,1.5kgf load; 0.2dB↓				
Impact Resistance		TIA/EIA -455-25B or IEC 60794-1-2-E4		25 Impacts ,2.0kgf load; 0.2dB↓				
Twist test		TIA/EIA-455-85A or IEC 60794-1-2-E7		10cycles,10 mins ; 0.2dB↓				
Tensile loading and bending test		TIA/EIA-455-33A or IEC 60794-1-2-E1		9.5Kg/mm load,10mins; 0.2dB↓				
Quality Assurance System				Standard Print				
● Comply with IEC & EIA testing standards ● Approved by CHT, Taiwan. ● ISO9001 Certified.				2C-FL-NSS- LSZH-BIBSM-Indoor Optical Cable				
Approved			Verify	Allen Tsai	Made	Mark Lu	Version	A

The information contained in this data sheet is subject to normal manufacturing tolerances. Specifications are subject to change without notice.