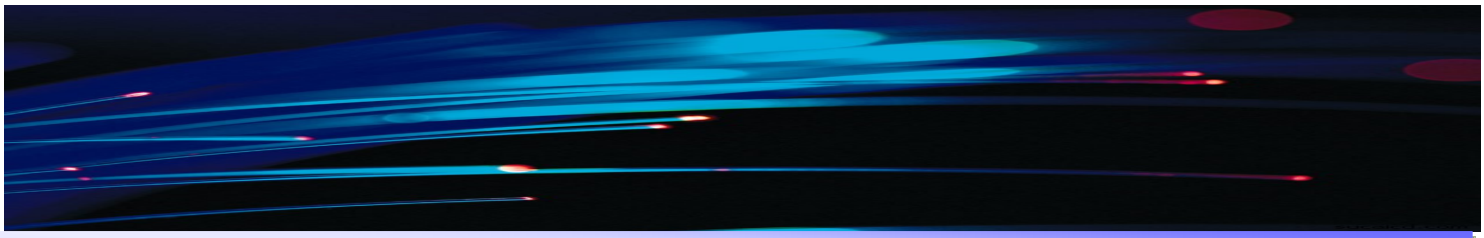
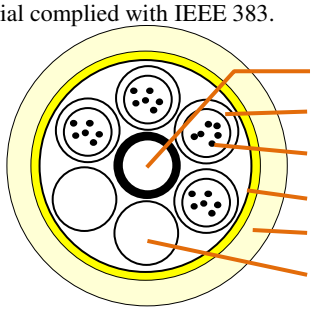


Micro subgroup Cable---- FTTH Solution

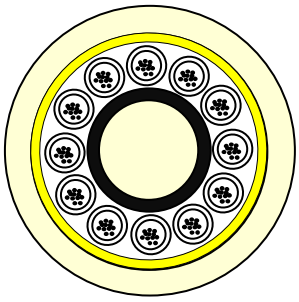
Properties & application:

- The optical performance complied with ITU-T G.657.
- Micro subgroup cable is applicable to the building within the trunk cable or wiring.
- The cable composed with 2c, 4c, 6c, 12c micro-unit tubes, and strengthens with aramid yarns, the outer sheath is extruded with black LSNH PE material complied with IEEE 383.

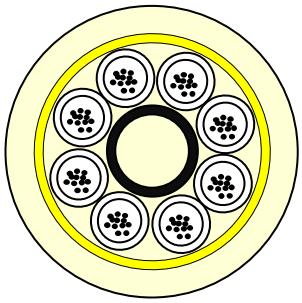
Structure:



12C-2MB
24C-4MB
24C-6MB
48C-12MB



24C-2MB
48C-4MB
144C-12MB



48C-6MB
96C-12MB

Dimension:

Color System												
Optical fiber/Micro-unit tube	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Yellow	Green	Red	Violet	White	Brown	Black	Aqua	Orange	Pink	Grey

Dimension									
Item	Value								
Optical fiber count	12	24	24	48	24	48	48	96	144
type	12-2	24-2	24-4	48-4	24-6	48-6	48-12	96-12	144-12
Optical fiber counts in a micro-unit tube	2		4		6		12		
Micro-unit tube O.D. and tolerance (mm)	0.95 ± 0.10		1.05 ± 0.10		1.15 ± 0.10		1.5 ± 0.10		
Central member Finished O.D. (approx.)(mm)	1.0	2.7	1.0	3.1	1.2	1.9	1.5	2.4	4.3
LSNH PE thickness (mm)	0.75 ± 0.1								
Cable O.D. (max.) (mm)	5.5	7.1	5.7	7.7	6.0	6.7	7.0	7.9	9.8
Micro-unit tube breaking strength (kgf)	≧0.5		≧0.55		≧0.6		≧0.8		

Optical fiber characteristic				
Spec item	Value	Spec item	Value	
attenuation	≦0.45dB/km @1260nm	chromatic dispersion	≦6.35 @1260nm	
	≦0.40dB/km @1310nm		≦1.31 @1310nm	
	≦0.35dB/km @1383nm		≦6.98 @1383nm	
	≦0.25dB/km @1550nm (90%)		≦18.01 @1550nm	
	≦0.30dB/km @1550nm (100%)		≦22.07 @1625nm	
	≦0.35dB/km @1625nm	Cut-off wavelength	≦1260nm	
Attenuation uniformity	0.1dB max@1550±25nm	PMD	individual	0.2 ps/km$^{1/2}$
Module field O.D.	8.6～ 9.4 μm±0.4μm@1310 nm	Bending loss (after cabled)	10turns @r=15mm	≦0.2dB @1550nm
	9.6～ 10.7 μm±0.7μm@1550 nm			≦0.9dB @1625nm
Splicing loss	Individual ≦0.2 dB		1turn @r=10mm	≦0.7dB @1550nm
	Average ≦0.15 dB			≦1.4dB @1625nm

LSNH PE：

1. oxygen index：≧30 %　　2. smoke density：≦75@4 mins / ≦150@20 mins　　3. toxic index：≦5/100g