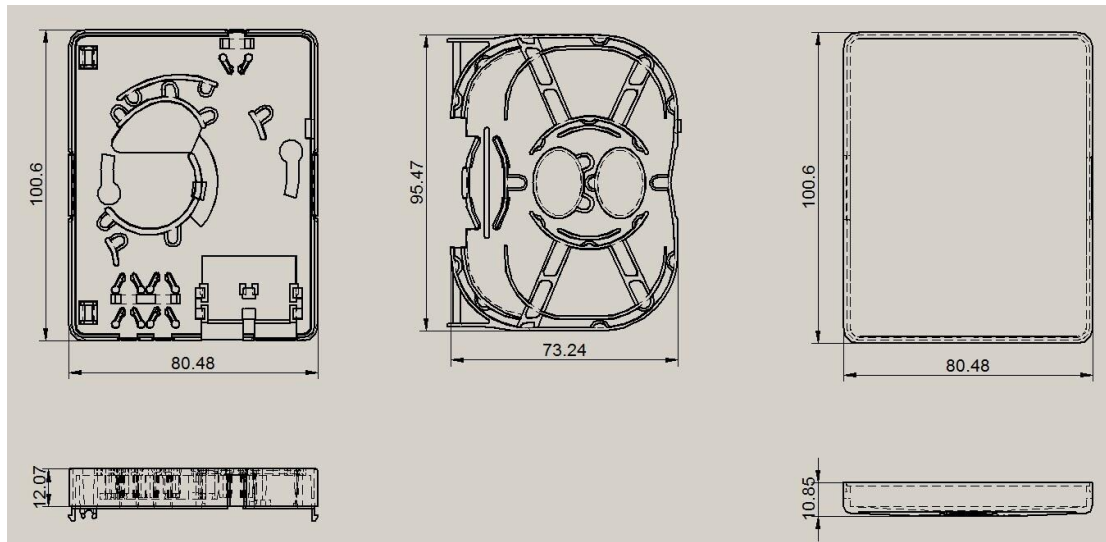


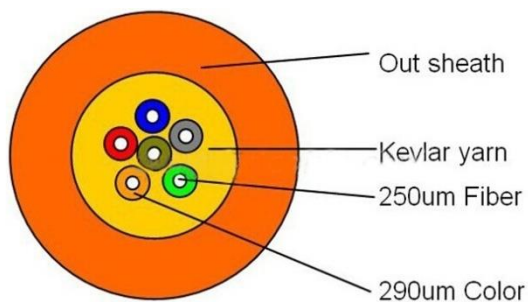
I . FTTH Box

(1) IP20

(2) Drawing:



II. Cable



(1) Type

Fiber optic indoor subscriber cabling ,according to IEC 60794-2-20

- ① Operating temperature range: -20°C to + 60°C
- ② Blow-in capable :IEC 60794-5
- ③ LSZH jacket
- ④ Flame retardant
- ⑤ RoHS compliant
- ⑥ Color of the cable jacket : White RAL9016 or customized
- ⑦ Total diameter : ≤2.2mm

⑧ Length :10m – 80m

⑨ Coiled on carton reel (see packing below)

(2) Number of fiber per cable :

① Variant 2F : 2 Fiber per cable

III. Fiber

(1) Type: G657A2

Characteristics	Conditions	Specified Values	Units
Optical Characteristics			
Attenuation	1310 nm 1383 nm (after H2-aging) 1460 nm 1490 nm 1550 nm 1625 nm	≤0.35 ≤0.35 ≤0.25 ≤0.23 ≤0.21 ≤0.23	[dB/km] [dB/km] [dB/km] [dB/km] [dB/km] [dB/km]
Attenuation vs. Wavelength Max. α difference	1285~1330 nm 1525~1575 nm	≤0.03 ≤0.02	[dB/km] [dB/km]
Zero dispersion wavelength		1300~1324	[nm]
Zero dispersion slope		≤0.092	[ps/(nm ² ·km)]
PMD Maximum Individual Fibre Link Design Value (M=20,Q=0.01%) Typical value		≤0.1 ≤0.06 0.04	[ps / km] [ps / km] [ps / km]
Cable cutoff wavelength λ_{cc}		≤1260	[nm]
Mode field diameter (MFD)	1310 nm 1550 nm	8.4~9.2 9.3~10.3	[μ m] [μ m]
Effective group index of refraction (Neff)	1310 nm 1550 nm	1.466 1.467	
Point discontinuities	1310 nm 1550 nm	≤0.05 ≤0.05	[dB] [dB]
Geometrical Characteristics			
Cladding diameter		125.0±0.7	[μ m]
Cladding non-circularity		≤0.7	[%]
Coating diameter		245±5	[μ m]
Coating-cladding concentricity error		≤12.0	[μ m]
Coating non-circularity		≤6.0	[%]

Core-cladding concentricity error		≤0.5	[μm]
Curl (radius)		≥4	[m]
Delivery length		2.1 to 50.4	[km/reel]
Environmental Characteristics(1310 nm, 1550 nm & 1625 nm)			
Temperature dependence Induced attenuation at	-60°C to +85°C	≤0.05	[dB/km]
Temperature-humidity cycling Induced attenuation at	-10°C to +85°C, 98% RH	≤0.05	[dB/km]
Watersoak dependence Induced attenuation at	23°C, for 30 days	≤0.05	[dB/km]
Damp heat dependence Induced attenuation at	85°C and 85% RH, for 30 days	≤0.05	[dB/km]
Dry heat aging at	85°C, for 30 days	≤0.05	[dB/km]
Mechanical Specification			
Proof test	off line	≥9.0 ≥1.0 ≥100	[N] [%] [kpsi]
Macro-bend induced attenuation 10 turns around a mandrel of 15 mm radius 10 turns around a mandrel of 15 mm radius 1 turn around a mandrel of 10 mm radius 1 turn around a mandrel of 10 mm radius 1 turn around a mandrel of 7.5 mm radius 1 turn around a mandrel of 7.5 mm radius	1550 nm 1625 nm 1550 nm 1625 nm 1550 nm 1625 nm	≤0.03 ≤0.1 ≤0.1 ≤0.2 ≤0.2 ≤0.5	[dB] [dB] [dB] [dB] [dB] [dB]
Coating strip force	average force(typical) peak force	1.7 ≥1.3 ≤8.9	[N] [N]
Dynamic stress corrosion susceptibility parameter nd (typical)		27	

IV. Coil

- (1) Inner diameter 100mm or smaller
- (2) Outer diameter max.200 x 49 mm
- (3) Outlet box to sit in the center of the coil

V. Connectors

- (1) Variant 2F
 Outlet end ; 1x SC/APC (left side)+ 1x SC/APC (right side)
 Cable end: ① Option :none

② Option: 1x SC/APC +1x SC/APC (same type as on outlet end)

(2) Variant 4F

Outlet end :4x LC/APC

Cable end: ① Option :none

② Option: 4x LC/APC

(3)Quality grade: IEC 61753 Grade B,IL≤0.25dB max.

VI. Packing

(1) Brown rigid carton box

(2) External size: 220 x 220 x 50 mm (max.250 x 250 x 50 mm)

(3) The size of roll (scroll) : 200 x 200 x 45 mm (inner diameter :120mm)

