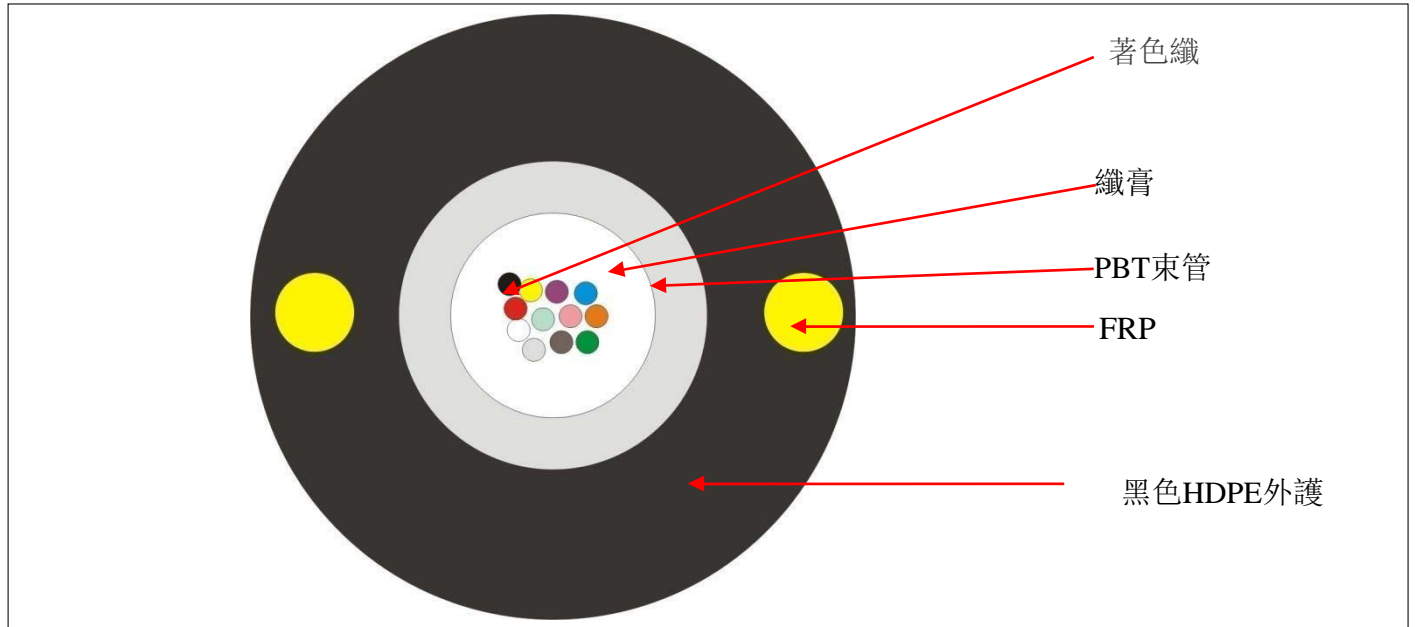


Specification

GYFXY 2-12 芯室內外通用光纜

規格圖



結構

1. 著色纖
- 藍, 黃, 綠, 紅, 紫, 白, 棕, 黑, 水藍, 橙, 粉紅, 灰
2. 纖膏
3. PBT 束管: 2.5mm
4. FRP: 1.0mm
5. 黑色HDPE外護 Outside diameter: 7.0±0.2mm

光纖性能

光纖類型	Unit	SM G652D	SM G657A1	MM 50/125	MM 62.5/125	MM OM3-300
波段	nm	1310/1550	1310/1550	850/1300	850/1300	850/1300
衰減	dB/km	0.36/0.23	0.36/0.23	3.0/1.0	3.0/1.0	3.0/1.0

光纜性能

性能	長期	短期
最大拉力 (N)	200	500
最大抗測壓(N/100mm ²)	1000	2000
最小彎曲半徑	30D (Dynamic)	15D (Static)
儲存及運行溫度	-40°C - +70°C	

YUDA

包裝及其他

- 1.表面無損傷： 沒有沙眼。
- 2.木託盤包裝： 木質整體密封包裝
- 3.段長： 不小於1000M。 同一批次的每個託盤的分段長度應盡可能相似。 其他長度可以通過協商達成一致。
4. 報告證書： 包括光纜檢驗編號，光纜型號，芯號，光纖型號，長度等

Optical fiber characteristics (G.652D FIBER)

Category	Description		Specifications
			G.652D
Optical Specifications	Attenuation	@1310nm	≤0.35dB/km
		@1383nm	≤0.35dB/km
		@1550nm	≤0.22dB/km
		@1625nm	≤0.25dB/km
	Attenuation discontinuity		≤0.05 dB
	Attenuation vs. Wavelength	@1285~1330nm	≤0.05 dB/km
		@1525~1575nm	≤0.05 dB/km
	Zero Dispersion Wavelength		1300~1324nm
	Zero Dispersion Slope		≤0.092ps/(nm ² .km)
	Dispersion	@1310nm	≤3.5 ps/nm.km
		@1550nm	≤18 ps/nm.km
	Polarization Mode Dispersion(PMD)		≤0.2ps/km ^{1/2}
	Cable Cutoff Wavelength(λ _{cc})		≤1260nm
	Effective Group Index of Refraction	@1310nm	1.4675
@1550nm		1.4681	
Macro bend loss (30mm radius ,100turns) 1625nm		≤0.1 dB	
Geometric Specifications	Mode Field Diameter	@1310nm	9.2±0.6μm
		@1550nm	10.4±0.8μm
	Cladding Diameter		125±1μm
	Cladding Non-Circularity		≤1.0%
	Coating Diameter		245±5μm
	Coating/Cladding Concentricity Error		≤8μm
Core/Cladding Concentricity Error		≤0.8μm	
Mechanical Specifications	Proof Test level		≥1.0%
	Fiber Curl Radius		≥4.0m
	Peak Coating Strip Force		1.3~8.9N

Test

Parameter	Test method	Test conditions	Acceptance criteria*
Tensile strength	IEC 60794-1-2-E1	Load: As per cable maximum tensile strength in table above.	Change in Attn <0.05 dB/Km. No damage or rack to cable & no fiber break
Crush	IEC 60794-1-2-E3	Short time: 10 min Long time: 120 min Load: As per maximum crush resistance in table above Number of positions: 3 adjacent sections (ensuring one over tube and one over lay reversal)	
Impact	IEC 60794-1-2-E4	Weight: 1.5 kg Height: 1.0 m Anvil radius: 12.5 mm Impacts: 1	
Torsion	IEC 60794-1-2-E7	Sample length: 1 m Bends: 360° (1turn) clockwise and after measurement (one minute) 720° (2turns) anticlockwise (two minutes)	
Bend	IEC 60794-1-2-E11	Mandrel diameter: 180 mm Bend: 360° (1turn)	
Bend under tension	Concurrent to tensile test IEC 60794-1-2-E18	Mandrel diameter: 360 mm Bend: 360° (1turn)	
Temperature cycling	IEC 60794-1-2-F1	Sample length: 1000 m (minimum) Temperature range : From -10°C to +70°C	
Compound Flow Test	IEC 60794-1-2	Sample length: 300mm in an air oven(24Hour) Temperature of 50 °C No Dripping	
Water penetration	IEC 60794-1-2-F5B	Sample length=3m, Water height=1m	