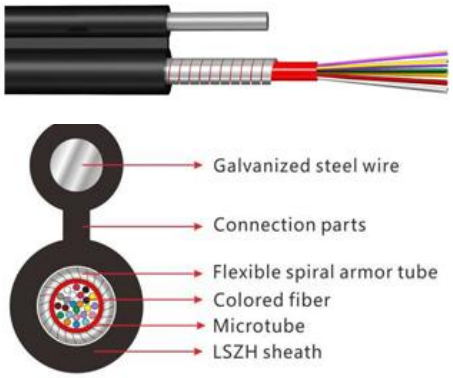
The BC25GYXTC8KH series cable is an arc runway fiber cable, which is made of multiple (1 – 12 cores) 250 μm colored optical fibers (single-mode or multi-mode fibers) embedded in the internally filled waterproof compound loose tube made of high-modulus plastic, a non-metallic tensile element (FRP) is placed on both sides of the loose tube, and a rip cord is placed on its outer layer, and then the high density polyethylene is extruded to form an HDPE sheath.



Main Features

- Accurately controlling the residual length of optical fiber ensures good tensile properties and temperature characteristics of optical cable
- PBT loose tube material has good resistance to hydrolysis, filled with special ointment to protect the optical fiber
- Fiber optic cable is non-metallic structure, light weight, easy laying, anti-electromagnetic, lightning protection effect is better
- Larger number of core than ordinary butterfly-shaped optical cable products, suitable for access to more densely populated villages
- Compared with butterfly-shaped optical cable, runway structure products have stable optical transmission performance with no risk of water accumulation
- Easy to peel, reduce the time of pulling out the outer sheath, improve the construction efficiency
- It has the advantages of corrosion resistance, UV protection and environmental protection
- YD / T769-2010, GB / T 9771-2008, IEC794 and other standards

Application

- Data Communication
- Installation: Riser, Plenum, inter-layer, pipe & trunking
- Located in where waterproof isn't strictly required
- Patch cord, Pigtail & Indoor distribution

Specification

Optical Characteristics		G.652	G.655	50/125 μm	62.5/125 μm
Attenuation	@850nm			≤3.5dB/km	≤3.5dB/km
	@1300nm			≤1.5dB/km	≤1.5dB/km
	@1310nm	≤0.45dB/km			
	@1550nm	≤0.3dB/km	≤0.3dB/km		
Bandwidth	@850nm			≥500MHz • km	≥200MHz • km
	@1300nm			≥1000MHz • km	≥600MHz • km
Numerical Aperture				0.200±0.015	0.275±0.015
Cutoff Wavelength		≤1260nm	≤1480nm		

Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (Long /Short Term N)	Crush Resistance (Long/Short Term N/100mm)	Bending Radius (Static/Dynamic mm)
1～12	4.5 × 8.5	46	400/1200	300/1000	30D/15D
Storage Temperature		-20℃～ + 60℃			
Operating Temperature		-20℃～ + 60℃			