

The BC25GYXTC8S series cable is made of multiple (1 – 12 cores) 250 μ m colored optical fibers. They are positioned in a loose tube made of a high modulus plastic, the tubes are filled with a water resistant filling compound. The two sides PSP are longitudinally applied over the outer loose tube. Steel wires and loose tubes filled with water proof compound to ensure compact and longitudinally water blocking ,this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene(PE) sheath to be figure 8 structure.



Main Features

- High tensile strength of stranded wires meet the requirement of self-supporting and reduce the installation cost
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- PSP enhancing moisture-proof
- Small diameter, light weight and friendly installation
- Long delivery length and low price
- Complies with Standard YD/T 1155-2001 as well as IEC 60794-1

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 μ m	62.5/125 μ m
Attenuation	@850nm			≤3.0dB/km	≤3.0dB/km
	@1300nm			≤1.0dB/km	≤1.0dB/km
	@1310nm	≤0.36dB/km	≤0.40dB/km		
	@1550nm	≤0.22dB/km	≤0.23dB/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)	Supporting Wire	Connection Diameter (mm)	Tensile Strength (Long /Short Term N)	Crush Resistance (Long/Short Term N/100mm)	Bending Radius (Static/Dynamic mm)
2~12	7.65×14.5	118	Φ1.0mm*7 Stranded wires	Height×Width 3.0×2.5	1000/2500	300/1000	80/160
14~24	8.2 × 15.1	129	Φ1.0mm*7 Stranded wires	Height×Width 3.0×2.5	600/1500	300/1000	90/180
Storage Temperature			-40℃ ~ + 60℃				
Operating Temperature			-40℃ ~ + 60℃				