

SLOTTED RIBBON TYPE BSR OPTICAL FIBER CABLE

Product Description:

Optical Fiber Core

- Optical fiber core should be complied with ITU recommendation TG.652 and EIA standards.
- Cladding diameter: 125.0 ±2.0 μm
- Cladding circular error: max. 2 %
- Core concentricity error: max.1.0 μm
- Coating Diameter: 250 ±15 μm
- Operating wave-length:1310nm or 1550nm
- Max. attenuation:
 - 1310nm : 0.4 / 0.5 dB/km
 - 1550nm : 0.25 / 0.3 dB/km
- Max. dispersion:
 - 1310nm : 3.09 ps/km-nm
 - 1550nm : 18.21 ps/km-nm
- Cut-off wave-length: 1100 ~ 1330nm
- Mode field Diameter1310nm:(8.5~9.5) μm±5%
- Temperature range:
 - Operation: - 30°C ~ + 60°C
 - Storage : - 30°C ~ + 60°C
 - Installation: 0°C ~ + 60°C

Fiber Cores Assembly

- 4-fiber cores shall be parallel to form a sub-unit, a transparent polyester compound extruded to form a piece of flat ribbon tape.
- The material of slot should be PE compound, and the center should be reinforced with a galvanized steel wire as a tension member. The slotted core should be with 5~6 slots, and the space of each slot may be filled with 1~5 pieces of fiber ribbon tapes or 1~2 pair of insulated copper wires.

- Over the slotted core should be wrapped with more than a layer of swellable non-woven tape, and the interestice of the slotted core should filled with water-proof aramid yarns .
- Over the aramid yarns should be wrapped a longitudinally foled copolymer coated aluminum screen tape and a moisture barrier extruded polyethylene should be extruded to form a LAP sheath

Applications

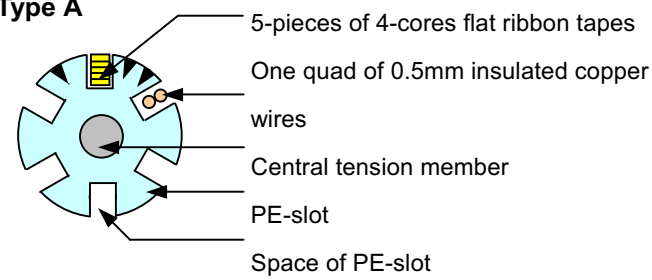
- Suitable for subscriber loop, junction, long-haul communication.

Color of Fiber cores

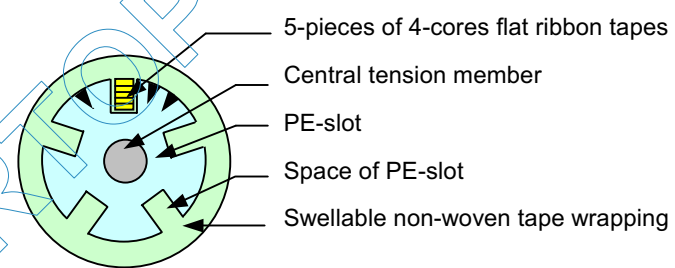
- Available with blue, yellow, green, red, purple, white and pink .

Construction

Type A



Type B



Specification & Properties

Fiber Count	Outside Dia.	Unit Weight	4-Fibers RibbonTape	PE-Slot		Max Tensile Load		Min Bend Radius	
				type	units	Short Term	Long Term	Loaded	Unloaded
4	15	200	1	A	1	200	-	300	-
8									
12									
16									
24									
48									
72									
100									
200	35	1000	50	B	2	800	-	700	-