

Product Description



The diagram shows a cross-section of a cable with the following components labeled:

| | |
|--------|-------------------------|
| 光纤 | Fiber |
| 套管填充物 | Tube filling compound |
| 松套管 | Loose tube |
| 缆芯填充物 | Cable filling compound |
| 聚乙烯内护套 | PE inner sheath |
| 阻水材料 | Water-blocking material |
| 涂塑钢带 | PSP |
| 聚乙烯外护套 | PE outer sheath |
| 中心加强芯 | Central strength member |

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The fibers, 250um, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water resistant filling compound. A steel wire, sometimes sheathed with PE for cable with high fiber count, locates in the center of core as a metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core. Then the cable core is covered with a thin PE inner sheath, which is filled with jelly to protect it from water ingress. A layer of water-blocking material is applied around the cable core to prevent water ingress all the same. after a corrugated steel tape armor is applied, the cable is completed with a PE outer sheath.

Standard: YD/T 1155-2001, IEC60794-1

Product characteristics

1. 2~228 fibers, jelly filled, fiber contained loose tube

2. Good mechanical and environmental performance
3. High strength loose tube that is hydrolysis resistant
4. Special tube filling compound ensure a critical protection of fiber
5. Crush resistance and flexibility.
6. Double sheath and double armors providing excellent anti-crush and rodent-proof properties
7. Good cable watertight.
8. Storage/Operating temperature: -40°C to +70°C

Product application

Laying modes: direct-burial

Suitable for Long-distance telecom, LAN, high durable product and rodent-proof

Product parameter (more details please email us: info@himakecable.com)

| Fiber count | Cable O.D. (mm) | Cable net weight (Kg/km) | Min. bending radius (mm) | | Allowable tension (N) | | Max. crush loading force (N/1000mm) | |
|-------------|-----------------|--------------------------|--------------------------|---------------|-----------------------|-----------|-------------------------------------|-----------|
| | | | Static state | Dynamic state | Short term | Long term | Short term | Long term |
| 2-24 | 12.6 | 185 | 12.5D | 25D | 3000 | 1000 | 3000 | 1000 |
| 26-36 | 12.9 | 195 | 12.5D | 25D | 3000 | 1000 | 3000 | 1000 |
| 38-60 | 13.4 | 200 | 12.5D | 25D | 3000 | 1000 | 3000 | 1000 |
| 62-72 | 13.9 | 230 | 12.5D | 25D | 3000 | 1000 | 3000 | 1000 |
| 74-96 | 15.5 | 275 | 12.5D | 25D | 3000 | 1000 | 3000 | 1000 |
| 98-120 | 17.0 | 320 | 12.5D | 25D | 3000 | 1000 | 3000 | 1000 |

Product Advantages

1. The conductor is made of Top quality optical fibers, it has Low dispersion and attenuation, ensuring a very good signal and data transmission ability.



Brand new material

- > Smooth
- > Anti-UV
- > Long-life

High Quality Fiber

- > Fast
- > Long and stability transmission
- > Low Attenuation.



High Quality PBT Loose Tube Material

- > Anti-aging
- > Good Protection

ADVANCED PRODUCTION EQUIPMENT

Advanced Production Equipments can guarantee qualified product.



Optic Fiber Cable Testing

- Fiber Testing
- Testing after fiber coloring
- Testing after fiber stranding
- Testing after fiber optic cable jacketing



APPLICATION



✓ Pipeline



✓ Overhead



✓ Direct bury

Packaging & Shipping

PACKING AND SHIPPING



- Each single length of cable shall be reeled on wooden Drum suitable for long-distance shipment.