

Loose Tube Stranded Outdoor Optical Cable

This stranded outdoor optical cable features a PE sheath for good mechanical and physical properties. The cable core uses a water blocking ointment for enhanced water resistance.



Product Overview

High-Performance Outdoor Optical Connectivity

This loose tube stranded outdoor optical cable is engineered for durability and reliable data transmission in demanding environments. Featuring 250 fibers housed in a water-blocked, high-modulus loose tube, the design ensures excellent compactness and resistance to moisture. With robust mechanical properties and a protective polyethylene sheath, this cable provides long-term stability for outdoor infrastructure projects.

Reference Standards	YD/T 901
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Mechanical Properties

Tensile Strength (Long-term)	600 N
Tensile Strength (Short-term)	1500 N
Anti-stress (Long-term)	300 N/100mm
Anti-stress (Short-term)	1000 N/100mm
Bending Radius (Dynamic)	200 mm
Bending Radius (Static)	100 mm

Environmental Specifications

Operating Temperature	-40 °C to 70 °C
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Optical Performance

Attenuation Performance

Fiber Type	Wavelength	Max Attenuation
9/125 um	1310 nm	d 0.40dB/km
9/125 um	1550 nm	d 0.30dB/km
50/125 um	850 nm	d 3.5dB/km
50/125 um	1300 nm	d 1.5dB/km