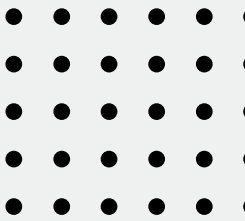


Optical Fiber Cable

Single Mode 24Core



Fiber OSP cable SingleMode, TeraSPEED® Single Jacket/Single Armor, Gel-Free, Stranded Loose Tube, 24 fibers, Singlemode , G657A1, Black jacket color



General Specifications :

Dimensions :

Gel-free design for cleaner and faster splicing, stranded loose tube construction for flexibility and fiber protection, TeraSPEED® singlemode G.657.A1 fibers ensuring low attenuation and bending performance, single jacket with single armor for mechanical protection in outdoor environments, UV-resistant black jacket for long-term durability, suitable for OSP (Outside Plant) applications with reliable performance in harsh conditions.

UK-ROHS Compliant

Material Specifications

S/N	Mechanical Specifications	RESULT
1	Minimum Bend Radius, loaded	173 mm 6.811 in
2	Minimum Bend Radius, unloaded	115 mm 4.528 in
3	Tensile Load, long term, maximum	800 N 179.847 lbf
4	Tensile Load, short term, maximum	2700 N 606.984 lbf
5	Compression	22 N/mm 125.623 lb/in
6	Compression Test Method	FOTP-41 IEC 60794-1 E3
7	Flex	25 cycles
8	Flex Test Method	FOTP-104 IEC 60794-1 E6
9	Impact	4.41 N-m 39.032 in lb
10	Impact Test Method	FOTP-25 IEC 60794-1 E4
11	Strain	See long and short term tensile loads
12	Strain Test Method	FOTP-33 IEC 60794-1 E1
13	Twist	10 cycles
14	Twist Test Method	FOTP-85 IEC 60794-1 E7
15	Vertical Rise, maximum	740 m 2,427.822 ft
16	Jacket Material	PE
17	Fiber Type	G.652.D and G.657.A1, TeraSPEED® OS2

Environmental Specifications	
Installation temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-87-640 EN 187105 Telcordia GR-20
Environmental Space	Aerial, lashed Buried
Jacket UV Resistance	UV stabilized
Water Penetration	24 h
Water Penetration Qualification Method	FOTP-104 IEC 60794-1 E6
ANSI/ICEA S-87-640	FOTP-82 IEC 60794-1 F5

Environmental Test Specifications	
Cable Freeze	2 °C 28.4 °F
Cable Freeze Test Method	FOTP-98 IEC 60794-1 F15
Heat Age	40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method	IEC 60794-1 F9
Low High Bend	-30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method	FOTP-37 IEC 60794-1 E11
Temperature Cycle	40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3 IEC 60794-1 F1

Regulatory Compliance/Certifications :

- CHINA-ROHS Below maximum concentration value
- ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system