

3 IN 1 SLIM Factory Assembly Round Drop Cable, G657A2, LSZH Jacket

- For FTTx Solution



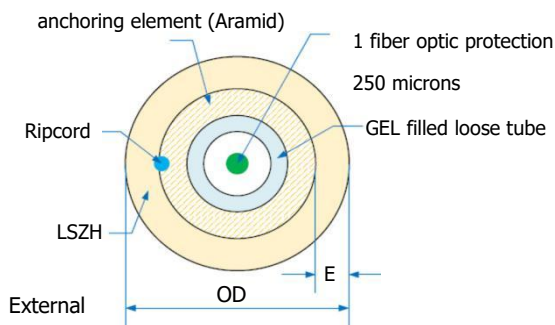
Product Description

This kind of Single-fiber optical cable with an external diameter of 3.0 mm. At one end there is a standard SC/APC type connector and at the other end there is a reinforced thin connector, used for optical measurements at the ports of external optical terminal boxes with optical adapters. The cable consists of a single-mode G.657.A2 optical fiber strand with low sensitivity to bending, protected by two concentric coatings covered by a layer of aramid fibers to maintain the cable's adequate mechanical strength and an outer thermoplastic layer of ivory-colored flame retardant material, with low smoke emission and free of halogens..

Keyed Characteristics

- ✓ Waterproof level: P68;
- ✓ Compatible with Slim connector;
- ✓ Fully compatible with the connector systems of Furukawa slim connector;
- ✓ Field installation, easily mounted on the field optical connector, no required for any specific tools or devices;
- ✓ Low insert loss and high return loss;
- ✓ High mechanical strength performance;
- ✓ PEI material, Acid and alkali resistance, Ultraviolet resistance;
- ✓ Outdoor use, 20-year service life;
- ✓ Apply to Field Assembly Optical Connector type: Slim/APC、Slim/PC.

Internal code: Test cord for pre-connectorized optical terminal box.



Outer Cover	LSZH thermoplastic: flameless, flameless and low smoke propagator. Ivory color
Reinforcement Elements	Aramid yarns arranged longitudinally in the loose tube.
Tube	PBT filled with silicone gel. White color.
SC/APC connector	PBT body. Green color. Zirconia ferrule.

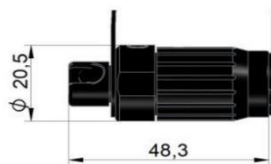
SC/APC Connector

SC/APC Connector	Insertion Loss (dB) Typical	Insertion Loss (dB) Max	Return Loss (dB)	Repeatability	Thermal Stability (c.c.-25 / +70 °C)	Impact (1m.10 cycles)	Cable Traction:100N	Coupling mechanism strength: 80N
IEC 61754-4	≤ 0,15	≤ 0,30	≥ 60	500	During and after each test: IP measurements $\Delta a_i \leq 0.20$ dB Cable:100N			

ARTIC SLIM Reinforced Connector



FAST CONNECTOR type translator set



OptiTap type translator set



Internal Connection Cable

Cable Outer Diameter (mm).	3,0±0,1
Cable Weight (kg/km).	17±5
Thickness of Outer Cover E (mm).	≥0,6
Content in The Aramid Reinforcement Element (dtex).	≥32000
Tube Wide Dimensions. Diameters (mm).	Internal: 2.0±0.1 External: 1.2±0.1
Tensile Strength Cable (N).	≥450
Crush load cable (N).	≥800
Impact Energy (J) with Super Impact Radius.	2J with r = 300 mm
Cable Bending Radius (mm).	10*D Dynamic (D = Cable diameter) 5*D Static (D = Cable diameter)
Flame Propagation IEC 60332.	Call application duration: 60 seconds. Answers
Emission of corrosive and toxic gases EN 60754	Complies with EN 60754-2, Annex A, pH ≥ 4.3 and conductivity: ≤10μS/mm
Smoke Density IEC 61034	Yes
Working and Storage Temperature (°C)	-5 +60

Internal Connection Cable

Fiber Mode	Single mode optical fiber with low bend sensitivity ITU G.657.A2. Green color					
Fiber Geometric Parameters	Coating Diameter	Concentricity of the Nucleus	Non-round Coating	Primary coating Diameter	Concentricity Primer Coating	Non-circular Primary Coating
	125±0.7μm	≤ 0.5μm	≤ 0.7 %	242±0.7μm	≤ 10 μm	≤ 5 %

Optical Fiber Property

Measurement Wavelength (nm)	1310	1383	1460	1550	1625
Maximum Attenuation (dB/km)	< 0,35	< 0,35	< 0,24	< 0,20	< 0,23
Modal field Diameter (μm)	8.5-9.3	/	/	9.4-10.4	/
Macro curvature losses (dB)	Bending radius: 7.5 mm. Number of turns: 1			≤0,4	≤0,8
Chromatic Dispersion (os/nm.km)				≤18,0	≤23,0
Zero Scattering Wavelength (nm)	1304÷ 1324				
Zero Dispersion Slope (ps/nm ² km)	≤ 0,092				
PMD mode Polarization dispersion (ps/√km)	≤0,2				
Cutoff Wavelength (nm)	≤1260				