

LP-OC25131441ZC Tiny™ Series, Tight Buffer Indoor/Light Outdoor Distribution Fiber Optical Cable with 144 singlemode G652D fibers, Black UV ready-LSZH rated jacket, Dry Water Block Cable Core with superabsorbent coated Multi-Fiber Aramid® yarns for strength.

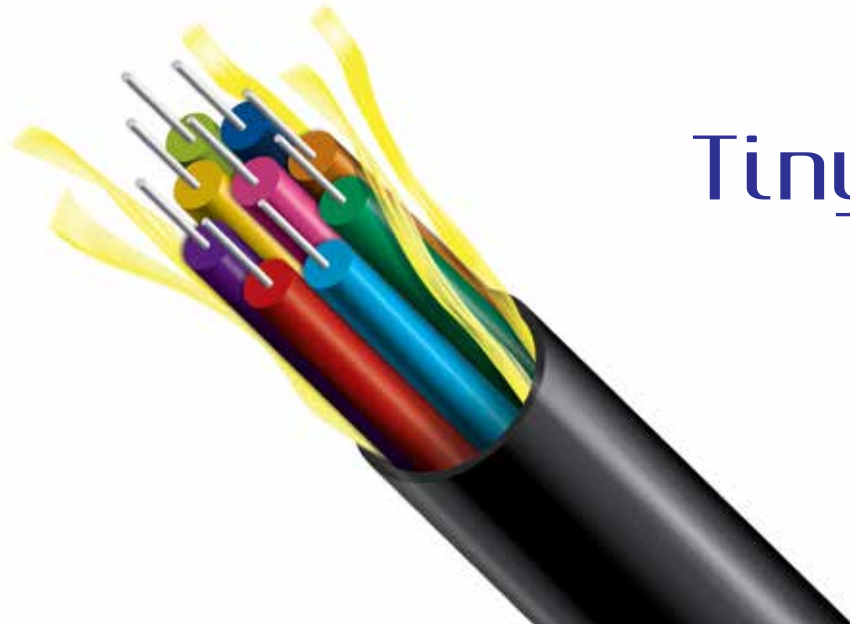
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Features

- Superabsorbent SAA® coated Aramid® Yarn-filled construction for superior fiber protection.
- Lightweight, flexible design simplifies installation.
- Tight buffer provides individual fiber protection.
- Tight buffered fibers are easy to handle and strip for field connectorization.
- Good mechanical and temperature performance.
- Good crush resistance water blocking and flexibility.
- Lightweight, all dielectric self-supporting (ADSS) construction is ideal for use near electrical power lines.
- LSZH or LSZH-3 or LSZHFR or LSHF FR rated jacket with UV protection for light outdoor use.

Applications

- Used in Indoor/Light Outdoor cabling.
- FTTH Cable (Fiber to the home).
- Inter-building voice or data communication backbones.
- Installed in ducts, underground conduit or aerial/lashed.
- Ideal for backbones and horizontal distribution on buildings.



Tiny™

**LP-OC25131441ZC
Tiny™ Series, Tight Buffer Indoor/Light Outdoor
Distribution Fiber Optical Cable with 144 singlemode
G652D fibers, Black UV ready-LSZH rated jacket, Dry
Water Block Cable Core with superabsorbent coated
Multi-Fiber Aramid® yarns for strength.**

The **LP-OC25131441ZC Tiny™ Series** of Fiber Optic Indoor/Outdoor Cables are designed to meet the environmental requirements typical of outside plant cable and the flammability, fume and smoke requirements of premise applications. Due to the non-metallic construction, they may be installed in areas of high intensity electric fields (Ex. high voltage lines and in vicinity of high lightning density areas)

Whether for indoor or outdoor use LanPro's **Tiny™ Series** eliminates the expensive and space-consuming interconnection points at the premises entrance and improves the system loss budget. Less splicing, less connectors, less losses!

Our indoor/outdoor cables are extremely efficient when used to directly connect equipment, data closets on any location or floor, in different buildings or to connect a manhole location to an equipment room.

Our **Tiny™ Series** product (Indoor/Outdoor fiber optic cables) are tight buffer (900 µm) design, with constructions available in a variety of configurations and LSZH UV resistant to cover riser and plenum requirements for indoor cable and the ability to be run in duct aerial/lashed in the outdoor. (Not recommended for direct burial as is not shielded). Enormous reduction of structure cost by eliminating boxes, mechanical splices, etc., simplifying cable handling and improving flexibility with the choice of building entrances.



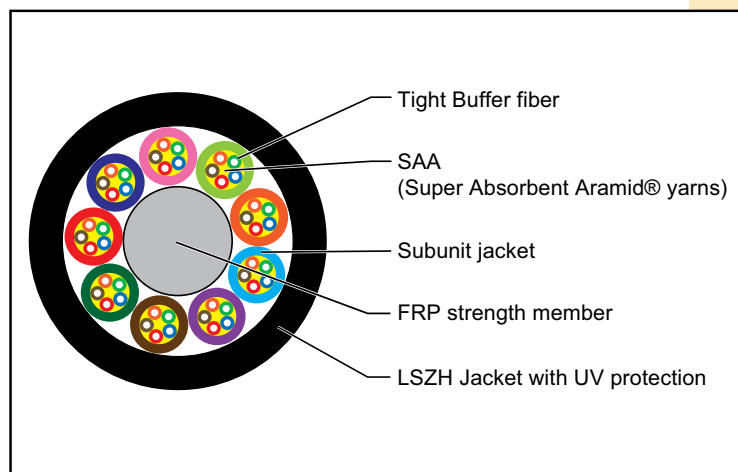
Tight buffer design allow direct termination of fibers with industry-standard connectors and techniques. Loose tube design provides more fiber protection in harsh outdoor environments and are readily spliced to other existing cables. Our cores are surrounded with dry water blocking technology as form of aramid water absorbent material to protect the cores and provide a clean fiber solution without the mess of gel infused traditional cables.

The use of SAA® (Super Absorbent Aramid®) Multi-Fiber Aramid® yarns found in the cable is an excellent means of producing a dry cable design. It can absorb several times its weight in water, and guarantees the performance even if the cable is exposed to humidity; plus it is ideal as a strength member (as ensures tension-resistance and long-term stability in the field).

For the technician, **Tiny™** cable possesses the properties of small outer diameter, light-weight, easy to strip, low attenuation and mechanically soft.

A large number of **Tiny™** cables fit inside a small diameter conduit.

A Cable Section



B Product Construction

Fiber:

- 144 fibers.
- 900±50um tight buffered.
- Color-coding per TIA/EIA 598 B.

Core Reinforce:

- Aramid® yarns.

Strength Member:

- FRP (Fiber Reinforced Plastic).

Jacket:

- Black UV LSZH outer sheath.
- Sequential meter markings standard/Footage optional.
- Safe and easy to strip.

Compliances:

- ANSI/TIA/EIA 568 D. ISO/IEC 11801.
- IEC794-1
- IEC332-1
- IEC332-3C (optional)

C Dimensional Characteristics

FIBER COUNT	CABLE DIAMETER (mm)	CABLE WEIGHT (kg/km)
144	24	687

D Mechanical and environmental Characteristics

CHARACTERISTICS	144 FIBERS
Max. Loading (IEC794-1)	
Installation	1320N
Operation	400N
Min. Bend Radius (IEC794-1)	
Long Term	20 x D
Short Term	10 x D
Crush resistance (IEC794-1)	1000N/100mm
Temperature rating	
Operation	-10°C to + 60°C
Storage	-10°C to + 60°C

E How to order

LP-OC25131441ZC	144 Tight Buffer fibers singlemode G652D, Indoor/Light Outdoor Distribution Fiber Optical Cable with Black UV ready-LSZH rated jacket, Dry Water Block Cable Core with superabsorbent coated Multi-Fiber Aramid® SAA® yarns for strength.
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