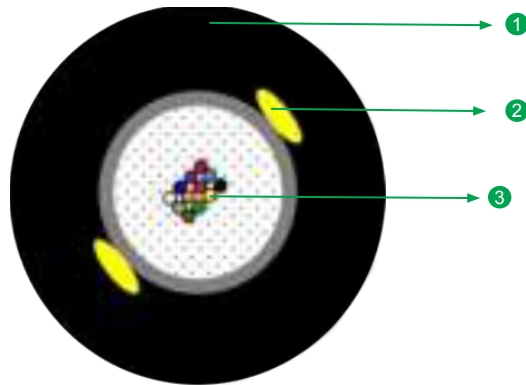


# Nano Lite

## Micro Duct OSP SJ NOVA Gel Filled PE OFC



1 OUTER SHEATH

2 STRENGTH MEMBERS

3 LOOSE TUBE WITH FIBRES AND JELLY

\* Typical Construction Diagram - Not to Scale

### Features & Benefits

- Uni-tube design allows minimized weight and eases cable installation.
- Small size, fast cable termination and easy cable management
- Optimum solution for last mile application
- Longitudinal water protection is enabled by water blocking compounds in tube.
- UV stabilized, CPR class Fca

### Product Details

Sterlite Nano-Lite cable series is suited for outside plant deployment, providing optimized blowing performances in single or bundled 7/4mm micro-ducts. The single jacket, gel filled, Unitube construction with aramid yarns meets high tensile strength requirements and offers best-in class fibre protrusion requirements.

### Cable Performance Standards

The cables comply to the following standards IEC 60793-2-50, IEC 60794-5-10, IEC TR 62959, ITU-T G652 and/or G657, RoHS, REACH

## Printing Details

STERLITE SM "FIBRE TYPE" "FIBRE COUNT" NANO-LITE OFC LASER SYMBOL TELEPHONE SYMBOL "YEAR OF MANUFACTURE" "LENGTH CODE" "METER MARKING"

**Note:** The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bell core GR 20 and this supersedes the earlier markings.

## Specifications

Physical Characteristics	
Fibre Type	STL NOVA Fibre (Complies to ITU-T G.652 D/G.657 A1)
Maximum Cabled Attenuation (dB/km)	1310nm: 0.35, 1550nm: 0.23 & 1625nm: 0.26
Buffer Tube Color	White
Peripheral Strength elements	High Strength Aramid yarns
Outer Sheath Material	UV Stabilized Black HDPE

Fibre Color Sequence (As per EIA/TIA 598C) <sup>2,3</sup>											
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

**Note :** 1 Other jacket color are available on demand, prior approval

2 Other fibres color sequences are available on demand, prior approval.

3 The fibres 13 to 24, when present, have a black ring marking (the back fibre is replaced by a natural fibre with black ring Marking).

Cable Physical Characteristics with STL's NOVA Fibre			
Product Code	Fibre Count	Cable diameter mm (+ 0.1mm)	Cable Weight Kg/km (+ 10%)
E20002SN01GAP10000	2	2.5	6
E20002SN01GAP10000	4	2.5	6
E20002SN01GAP10000	6	2.5	6
E20002SN01GAP10000	8	2.5	6
E20002SN01GAP10000	12	2.5	6
E20002SN01GAP10000	24	2.7	8

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard Method	Cable Performance
Tensile Strength (N)	IEC-60794-1-21-E1	200
Crush Resistance (N/100 mm)	IEC-60794-1-21-E3	500
Impact Strength (Nm)	IEC-60794-1-21-E4	1
Torsion	IEC-60794-1-21-E7	±180°
Min. Bend Radius (During Installation)	IEC-60794-1-21-E11	20 D
Min. Bend Radius (After Installation)	IEC-60794-1-21-E11	15 D
Water Penetration Test	IEC-60794-1-22-F5B	1m waterhead, 3m samples, 24 h
Drip Test	IEC-60794-1-21-E14	30 cm, 70°C, 24 h
Fibre Protrusion	IEC 60794-1-22 F17	Grade 1
Temperature Performance	IEC-60794-1-22-F1	Refer to note
Installation		-5°C to + 50°C
Operation		-20°C to +60°C
Storage		-30°C to +70°C

**Note:** All tests shall be performed according to the relevant methods of the IEC 60794-1 standard series with limit values and acceptance criteria according to the IEC 60794-5-10 standard. Fibre protrusion graded according to the IEC TR 62959: long sample under OP+ conditions.

## Packing and Lengths

Drum Type	Length Multiple (Ft.)	Order Tolerance	Short Lengths
Ply Spool	2/4± 5% (For All fibre Counts)	-0%, +5%	Max 5%, Customer Approval

For additional information please contact your sales representative.

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You can also visit our website at [www.stl.tech](http://www.stl.tech)

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