

# INDOOR/OUTDOOR RUGGEDIZED PATCH CABLE



**EXTRA TOUGH**  
in accordance with Verizon Standard TPR 9424 Issue 2

## DESIGNED SPECIFICALLY FOR FTTx APPLICATIONS

- **RUGGED** Staple without significant loss
- **SMALL** 3mm Jacket
- **CUSTOM** Any size to fit your needs
- **FAST** Able to ship within days

Fast-turn  
delivery!



Secure 1 meter of cable with 20 staples on a wood panel

## Specifications

- Storage/Oper. Temperature: -40°C to +75°C
- Installation Temperature: -20°C to +70°C
- Fiber Count: 1
- Overall Jacket Material: Poly Vinyl Chloride
- Nominal Outer Diameter (mm): 3.0
- Bend Radius: 10mm
- Weight (lbs/km): 7.32
- Fiber Type: Plus Corning® **BIF** SMF-28 Ultra
- Attenuation (MAX): 0.5dB/km @ 1550nm
- Tensile – short term: 100lbs (445N); Long term: 40lbs (200N)

## Standards Compliance

- Meets or exceeds EIA/TIA 568-A/GR-409-CORE and ICEA-S-104-696
- Meets water penetration requirements of Telcordia GR-20-CORE
- Verizon TPR 9424 Issue 2 (see test notes)
- ETL Listed Type OFNR / Canadian FT4
- Compliant to Directive 2002/95/EC (RoHS)

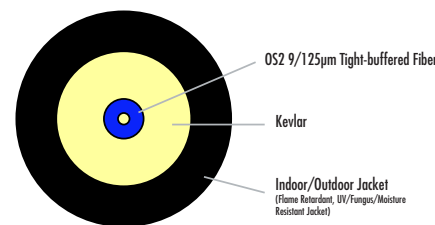
## Verizon TPR 9424 Test Notes

- **Staple Test**  
Secure 1 meter of cable with 20 staples on a wood panel; attenuation shall not exceed 0.1dB @1550nm. Test to be performed by three different operators for a total of 60 staples
- **Corner bend test (radius <1mm)**  
Apply 2kg load to cable to secure against fixture; attenuation shall not exceed <=0.05dB @1550nm
- **MDU Simulation – cable tested in a fixture with the following requirements:**  
Ten 90° corner bends unloaded  
One 90° corner bend w/2kg load  
One 90° corner bend w/5kg load  
Two 10mm mandrel wraps  
Thirty T25 staples  
Perform temperature cycling and aging on the MDU simulation fixture per GR-20(extreme temperatures)  
Attenuation shall not exceed <=0.4dB @1550nm

## ORDERING INFORMATION

CONNECTOR 1					CONNECTOR 2							
S					S	R	I	3				
1					2		3		4		5	

- |  |  |  |  |                    |
|--|--|--|--|--------------------|
| <b>1 CONNECTOR</b>   | <b>2 FIBER TYPE</b>  | <b>3 FLAME RATING</b>  | <b>4 JACKET SIZE</b>                         | <b>5 U.S. MADE</b> |
| <ul style="list-style-type: none"> <li>• LC UPC = LU1</li> <li>• LC APC = LA1</li> <li>• SC UPC = SU1</li> <li>• SC APC = SA1</li> <li>• Blunt = BL</li> </ul> | S = Singlemode<br><b>6 LENGTH</b><br>3-Digit Length<br>Examples:<br>001, 010, 01.5 | Indoor/Outdoor = I<br><b>7 UNIT OF MEASURE</b><br>Meters = M<br>Feet = F | 3.0mm = 3<br>U = US-made<br>Blank = Overseas |                    |



## Performance Specifications for Singlemode

Polishing	UPC	APC
Insertion Loss	< 0.25dB	< 0.25dB
Return Loss	≥ 50dB	≥ 60dB
Durability	> 500 Matings	