

# Furcation Tubing

[www.TheLightConnection.com](http://www.TheLightConnection.com)

## Features and Benefits

- Accepts either bare fiber or tight buffer
- Provides durable protection when breaking out cables
- Newly engineered inner tube protects against crushing and kinking
- Designed for all connector types
- 12 standard colors
- Also available with pull string for 2mm and 3mm furcation tubing

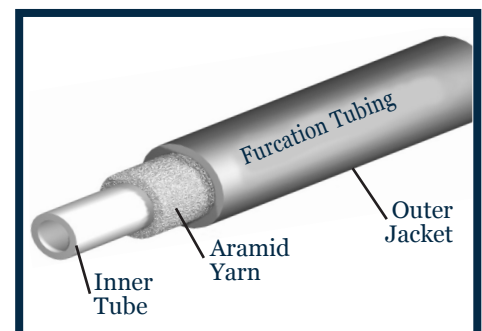
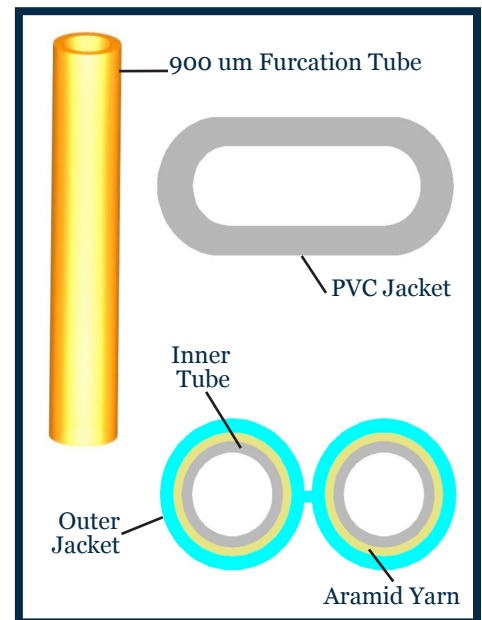
## Types of Furcation Tubings

- 3.0mm jacket with 1.8mm inner tube (single and two tube style)
- 3.0mm jacket with 900um inner tube (single and two tube style)
- 2.0mm jacket with 1.5mm inner tube (single and two tube style)
- 2.0mm jacket with 900um inner tube (single and two tube style)
- 1.6mm jacket with 900um inner tube (single and two tube style)
- 3.8mm jacket with 2.7mm inner tube (single tube style only)

Note: The above style constructions are available with PVC outer jacket and polypropylene or LDPE inner tubes. Aramid Yarn is used as a dielectric strength member. Outer Jacket is available in all 12 TIA colors, custom color are also available on customer request.

- Ribbon furcation tube
- 900um furcation tube

Note: The above style furcation tubes are a single hollow tube construction designed to fucate ribbonized fibers (2-12) or a single bare fiber.



# SPECIFICATIONS

Temperature Range (material)	PVC	PS
Storage Temperature	-40 C to +70 C	-50 C to +120 C
Operating Temperature	-40 C to +70 C	-50 C to +120 C

Cable Characteristics	
Outer Jacket Material	PVC
Strength Member	Aramid Yarn
Ribbon furcation tube material	PVC
900um Fucation tube material	Thermoplastic Polyester Elastomer

Cable Types	Weight	Bend Radius
3.0mm jacket with 1.8mm inner tube (1 tube/ 2 tube)	18 lbs/ km	4.5cm
3.0mm jacket with 900um inner tube (1 tube/ 2 tube)	15 lbs/ km	4.5cm
2.0mm jacket with 1.5mm inner tube (1 tube/ 2 tube)	15 lbs/ km	3.0cm
2.0mm jacket with 900um inner tube (1 tube/ 2 tube)	12 lbs/ km	3.0cm
1.6mm jacket with 900um inner tube (1 tube/ 2 tube)	10 lbs/ km	2.4cm
3.8mm jacket with 2.7mm inner tube (1 tube only)	22 lbs/ km	5.7cm
Ribbon Furcation Tube	10 lbs/ km	3.5cm
900um Furcation Tube	4 lbs/ km	1.4cm

Dimensional Characteristics	Nom. OD (overall)	Nom. OD (Inner tube)	Nom. ID (Inner tube)
3.0mm jacket with 1.8mm inner tube (1 tube/ 2 tube)	2.95 mm	1.8mm	1.1mm
3.0mm jacket with 900um inner tube (1 tube/ 2 tube)	2.95 mm	0.9mm	0.4mm
2.0mm jacket with 1.5mm inner tube (1 tube/ 2 tube)	1.95 mm	1.5mm	1.0mm
2.0mm jacket with 900um inner tube (1 tube/ 2 tube)	1.95 mm	0.9mm	0.4mm
1.6mm jacket with 900um inner tube (1 tube/ 2 tube)	1.60mm	0.9mm	0.4mm
3.8mm jacket with 2.7mm inner tube (1 tube only)	3.80mm	2.7mm	2.1mm
Ribbon Furcation Tube	2.35mm	-	1.85mm
900um Furcation Tube	0.90mm	-	0.40mm

Part Numbers															
Single Tube	Two Tube	Ribbon	900um Tube												
FooFR16N#*900	FooFDX16N#*900	FooFRRBN#*	FooFR900H*												
FooFR2N#*900	FooFDX2N#*	# = "U" for LDPE, "R" for Polypropylene	<table border="1"> <tr> <td>B</td> <td>O</td> <td>G</td> <td>BR</td> </tr> <tr> <td>S</td> <td>W</td> <td>R</td> <td>BL</td> </tr> <tr> <td>Y</td> <td>P</td> <td>PK</td> <td>A</td> </tr> </table>	B	O	G	BR	S	W	R	BL	Y	P	PK	A
B	O			G	BR										
S	W			R	BL										
Y	P			PK	A										
FooFR2N#* (1.5mm IT)	FooFDX2N#*15														
FooFR3N#* (1.8mm IT)	FooFDX3N#*18														



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