



Datasheet for AFL ZIP duplex furcation tube 2.0mm x 4.2 mm LSZH Jacket Description (DZFAZJ*BZZ)

ZIP duplex furcation tube consisting of 2 x Aramid reinforced dual layer Furcation tubing with Low Smoke Zero Halogen (LSZH) outer tube, aramid yarn and Hytrel 8238 inner tube.

Manufacturer data sheet SHENZHEN YOUNGSUN - FURC-L-Z-2MM-YEL 30102018

Applications

- Connectivity where protection of TWO 250 µm optical fibre is required in each tube
- For use in directly connectorised assemblies
- Ideal for use with Fan-Out kits

Features

- Dual layer construction
- Aramid strength members for tensile resistance
- LSZH jacket for use in racks and cabinets
- LSZH jacket available in 12 standard colours on request



Specification

Parameter	Unit	Value
Storage, transportation and operating temperature	°C	-20 to 60
Installation temperature	°C	-10 to 50
Outer Jacket Outside Diameter	mm	$2.0 \pm 0.1 \times 4.2 \pm 0.2$
Outer Jacket Thickness	mm	0.28 ± 0.05
Outer Jacket Material		LSZH
Strength member material		Aramid
Inner Tube Outside Diameter	mm	1.15 ± 0.1
Inner Tube Inside Diameter	mm	0.72 to 0.9
Inner Tube Thickness	mm	TBA
Inner tube Material		Hytrel 8238
Insertion length of 2x optical fibre in one tube (minimum)	m	4
"No kink" bend radius (shorter OD dimension) (minimum)	mm	5
Nominal weight	kg/km	8
Maximum tensile load (installation)	N	150
Maximum tensile load (installed)	N	70
Minimum bend radius (installation)	mm	42
Minimum bend radius (installed)	mm	21
Maximum Crush (installation)	N/ 100 mm	500
Maximum Crush (installed)	N/ 100 mm	100
Coil length	m	Up to 1000
Plywood drum dimensions (Flange,Barrel,Width) 1km	mm (approx)	F630, B300, W330
Drum weight with cable 1km (approximately)	kg (approx)	16

Fire Performance

Fire Test Description (LSZH Jacket)	Fire Test Specification
Smoke emission	IEC 61034-1 & 2
Flammability	IEC 60332-1
Toxicity	IEC 60754-1
Acid gas emission	IEC 60754-2

Product Range

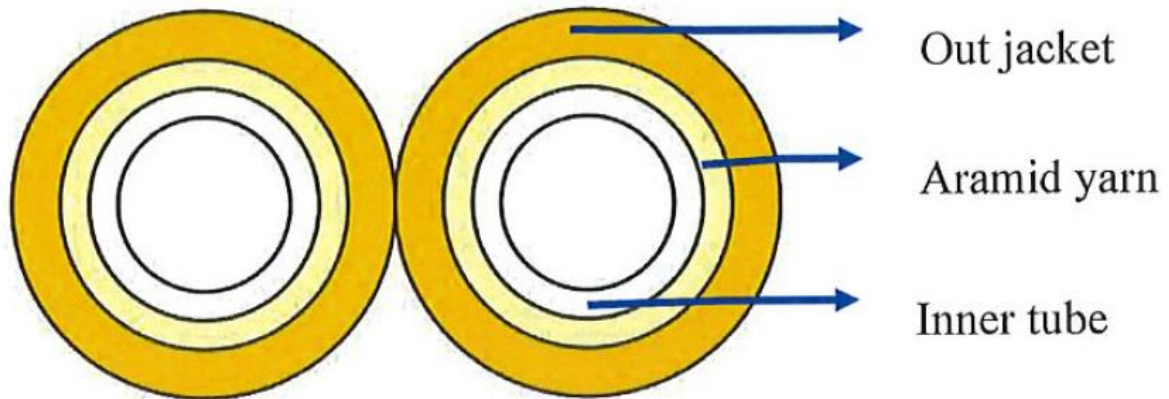
Part Number	Description
DZFAZJ1BZZ	ZIP Furcation Tube OD 2.0x4.2mm for 2f per tube Hytrel 8238 LSZH Blue
DZFAZJ2BZZ	ZIP Furcation Tube OD 2.0x4.2mm for 2f per tube Hytrel 8238 LSZH Orange
DZFAZJ9BZZ	ZIP Furcation Tube OD 2.0x4.2mm for 2f per tube Hytrel 8238 LSZH Yellow
DZFAZJCBZZ	ZIP Furcation Tube OD 2.0x4.2mm for 2f per tube Hytrel 8238 LSZH Aqua

Note: For other Jacket colors substitute the code in the part number DZFAZJ C BZZ for the code given in the Color Code Table below, and change the description for the color from the table.

Color	Code
Blue	1
Orange	2
Green	3
Brown	4
Grey	5
White	6
Red	7
Black	8
Yellow	9
Purple	A
Pink	B
Aqua	C
Erika Violet	D

IEC 60304 Color Code Table

Diagram



Change Log

Specification	Date	Change
C-62-FF-0008.03	02-09-2024	AFL Re-branding