



Datasheet for unbranded ZIP duplex furcation tube 2.0mm x 4.2 mm LSZH Jacket, ONE Fiber per tube

Description (DZFNZJ*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 – 89173-15-001-A 2020-9-19

Applications

- Connectivity where protection of ONE 250µm optical fibre is required in each tube
- For use in directly connectorized 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 13 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 ± 0.1 x 4.2 ± 0.2
Outer Jacket Thickness	mm	0.28 ± 0.05
Outer Jacket Material		LSZH
Strength member material		Aramid
Inner Tube Outside Diameter	mm	0.9 ± 0.05
Inner Tube Inside Diameter	mm	0.6 ± 0.05
Inner Tube Thickness	mm	0.15 ± 0.05
Inner tube Material		Hytrel 8238
Insertion length of 1x 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	44
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
DZFNZJ1BZZ	Unbranded ZIP Furcation Tube OD 2.0x4.2mm for 1f per tube Hytrel 8238 LSZH Blue
DZFNZJ2BZZ	Unbranded ZIP Furcation Tube OD 2.0x4.2mm for 1f per tube Hytrel 8238 LSZH Orange
DZFNZJ9BZZ	Unbranded ZIP Furcation Tube OD 2.0x4.2mm for 1f per tube Hytrel 8238 LSZH Yellow
DZFNZJCBZZ	Unbranded ZIP Furcation Tube OD 2.0x4.2mm for 1f per tube Hytrel 8238 LSZH Aqua

Note: For other Jacket colors substitute the code in the part number

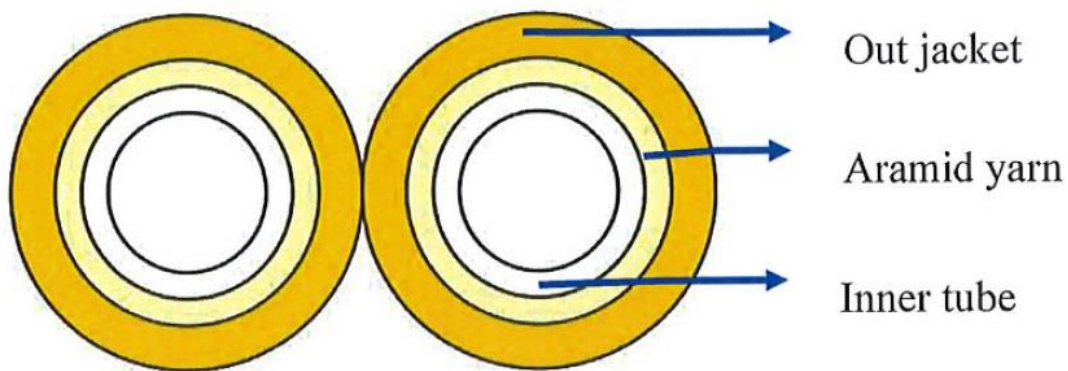
DZFNZJ C BZZ ZIP Furcation Tube OD 2.0x4.2mm for 1f per tube Hytrel 8238 LSZH Aqua

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



PRODUCT PACKAGING AND PACKING REQUIREMENTS

The label will indicate the tubing length.

The tubing shall be supplied on a drum fit for the purpose of storing and shipment in a clean damage free condition. The drum shall not have any permanent markings identifying the cable manufacturer or the customer.

The cable will be supplied on a plywood or other wooden drum produced from wood from a sustainable source. The dimensions of the drum shall be determined by the supplier.

Both cable ends will be made waterproof with secure end caps. Heat shrink end caps are acceptable.

The drum shall be shipped in a vertical position and wrapped with a protective plastic wrapping or wooden battens.

The drum shall have a central pintle hole in each flange not less than 40mm in diameter.

Alternatively, the tubing may be supplied on a reel and packed in a cardboard carton.

Cable drums, or cartons, shall be securely fixed singly or multiply in a vertical position on a Euro pallet (800 mm x 1200 mm) using strong bands. A secure method of stacking pallets on top of other larger battened drums for shipping in an ISO container is recommended.

Products supplied under this specification require a materials compliance label on the packaging. The size of the label must be 20 mm x 20 mm and stuck on the cable reel or bare fiber spool.



Figure 1 Materials Compliant Label

The label for identification and traceability shall have a minimum of the following details:



- (i) AFL Hyperscale logos



- (ii) Website address www.aflglobal.com
(iii) Part Number (as shown in the Order; e.g. DZFNZICBZZ)
(iv) Length
(v) Description (as shown in the order; e.g. Unbranded ZIP Furcation Tube OD 2.0x4.2mm for 1f per tube Hytrel 8238 LSZH Aqua)
(vi) Country of Origin
(vii) Materials Compliant as per Figure 1
(viii) Tracking number – use Purchase order number

This label shall be minimum 25mm wide and applied to the outside of a cable flange. Bar coding of length, Part number, and tracking number required.

All test data must be retained for at least 5 years.

CE marking

CE marking on the drum flange or carton is not required for this tubing.

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Change log

Specification	Date	Change
C-62-FF-0013.02	25/09/20	Correction to inner tube wall thickness, change supplier data sheet reference number, description changed to unbranded tube
C-62-FF-0013.03	12/02/24	AFL rebranded

