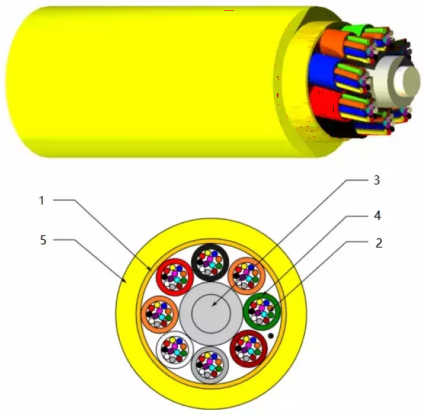
essential-OF MT LSZH 48-96C - APAC

- Micro Tube optical fiber cable
- Small, but mechanical strong cable
- Designed for splicing with pigtails
- 48-96 fibers



STANDARDS

ANSI/TIA-568-C.3
IEC 60332-1
IEC 60332-3-24 Cat.C
IEC 60793-2-10
ISO/IEC 11801

Description and Application

The new Micro Tube technology from Aginode allows to manufacture a flexible and small tube. This Micro Tube is the central part of the new “Essential-OF Micro Tube Cable” design, it contains 12 fibers with a fiber diameter of 250 um. Termination of these fibers is done with splicing with pigtails. Up to 8 Micro Tube are arranged around a central strength element. Aramid yarns provide additional strength and make the cable installer friendly. The combination of the Micro Tube technology, the central strength element and aramid yarns result in a mechanical robust, but also small and flexible cable. This makes it an optimized cable for datacenters and backbones.

The small bending radius of the Essential-OF Micro Tube Cable makes the cable easy to arrange in patch panels, in cable trays and in ducts. The Essential-OF Micro Tube Cable complies with the indoor fire requirements, suitable for both horizontal and vertical installations.

Construction

Legend accompanying the cross-section drawing:

1. Aramid yarn
2. 250um fiber
3. Central strength member
4. Inner jacket
5. LSZH Outer Jacket

Characteristics

Micro Tube Cable design for easy installation

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.

Indoor cable for horizontal and vertical installations

Flame retardant (IEC 60332-1)

Fire retardant (IEC 60332-3-24)

All dielectric design

Designed for termination by splicing

Aramid yarns for ease of handling and as strength element

Up to 12 fibres per Micro Tube

Available in 48, 72 and 96 fibers

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CHARACTERISTICS

Construction characteristics	
Fiber optic type	OM3 50/125
Colour	Orange
Dimensional characteristics	
Number of optical fibres	48
Outer Diameter	6.5 mm
Mechanical characteristics	
Mechanical resistance to impacts (IEC 60794-1-E4)	100 impacts of 1 N.m
Maximum pulling force (IEC 60794-1-2-E1)	1500 N
Crush resistance (IEC 60794-1-E3)	1000 N/100mm
Usage characteristics	
Installation temperature, range	0...60 °C
Storage temperature, range	-20...60 °C
Operating temperature, range	-20...60 °C
Minimum dynamic operating bending radius	130.0 mm
Minimum static operating bending radius	65 mm

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Product list

	Aginode ref.	Country ref.	Name
	N275.MT48O	-	essential-OF Micro Tube Cable 48F LSZH Multimode OM3 50/125 Orange
	N274.MT48Y	-	essential-OF Micro Tube Cable 48F LSZH Single mode OS2 G.652.D 9/125 Yellow
	N275.MT72O	-	essential-OF Micro Tube Cable 72F LSZH Multimode OM3 50/125 Orange
	N274.MT96Y	-	essential-OF Micro Tube Cable 96F LSZH Single mode OS2 G.652.D 9/125 Yellow
	N275.MT96O	-	essential-OF Micro Tube Cable 96F LSZH Multimode OM3 50/125 Orange
	N274.MT72Y	-	essential-OF Micro Tube Cable 72F LSZH Single mode OS2 G.652.D 9/125 Yellow

= Make to order, = In Stock

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