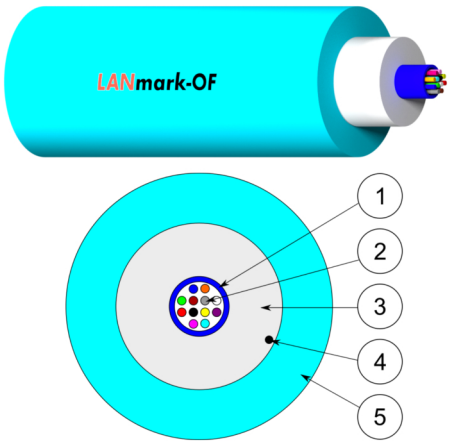
LANmark-OF Micro-Bundle Universal (6F-12F) Cca

LANmark-OF Micro-Bundle Universal 12x Multimode 50/125 OM3 LSZH Cca Aqua



Aginode Ref.: N165.MBUN12-AC

- Micro-Bundle Universal optical fibre cable
- Indoor cable and outdoor installation in a duct
- Fully waterproof and rodent retardant
- Designed for splicing with pigtails
- 12 fibres in a micro-bundle

DESCRIPTION

Description and Application

The new Micro-Bundle technology from Aginode allows to manufacture a very flexible and small tube that is the central part of the new “LANmark-OF Micro-Bundle Universal” cable design. This results in a small, flexible, but mechanical robust cable. The central tube contains up till 12 fibres with a fibre diameter of 250 um. Termination of these fibres is done with splicing with pigtails.

The small bending radius of the Micro-Bundle makes the cable easy to arrange in patch panels and for installations in data centres and backbones.

The watertight glass yarns and the very limited amount of gel inside the tube makes this cable design watertight and suitable for installation outdoor in a duct by pulling.

The fire performance of the LANmark-OF Micro-Bundle Universal allows indoor installation as well. Since there is no drip effect of the very limited amount of gel the cable is optimised for both horizontal and vertical installations.

Construction

1. Central Micro-Bundle
2. Optical fibres (250 µm)
3. Reinforced watertight glass yarns
4. Ripcord
5. LSZH outer jacket with UV resistant additive

You may see a combination of brands on documents or products during the transition.

DECLARATION OF PERFORMANCE

C_{ca}-s1a,d1,a1

STANDARDS

International ISO/IEC 11801

Halogen free
IEC 60754-1

Mechanical resistance to impacts
10 impacts of 3 N.m

Flame retardant
IEC 60332-1

Fire retardant
IEC 60332-3

Smoke density
IEC 61034-2

U.V resistance
Very good

Water proof
Longitudinal & radial

Inst. temp. range
0 ... 40 °C

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.

LANmark-OF Micro-Bundle Universal (6F-12F) Cca

LANmark-OF Micro-Bundle Universal 12x Multimode 50/125 OM3 LSZH Cca Aqua

Characteristics

- Micro-Bundle design for easy installation
- Indoor cable for horizontal and vertical installation
- Flame retardant (IEC 60332-1)
- Fire retardant (IEC 60332-3)
- Outdoor cable for installation in a duct
- Designed for termination by splicing
- Central Micro-Bundle design for easy installation
- All dielectric design
- Waterproof structure, Rodent retardant and UV-resistant
- Flame retardant (IEC 60332-1) and fire retardant (IEC 60332-3)
- Available in all fibre grades and 6-12 fibres
- Gas Toxicity (IEC 60754) and Smoke Density (IEC61034)
- Reaction to fire Cca according to EN50575:2014+A1:2016
- Sheath color: Aqua (OM3-OM4), Yellow (OS2), Lime Green (OM5)

Halogen free
IEC 60754-1

Mechanical resistance to impacts
10 impacts of 3 N.m

Flame retardant
IEC 60332-1

Fire retardant
IEC 60332-3

Smoke density
IEC 61034-2

U.V resistance
Very good

Water proof
Longitudinal & radial

Inst. temp. range
0 ... 40 °C

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.

LANmark-OF Micro-Bundle Universal (6F-12F) Cca

LANmark-OF Micro-Bundle Universal 12x Multimode 50/125 OM3 LSZH Cca Aqua

CHARACTERISTICS

Construction characteristics	
Construction type	Unibundle
Fiber optic type	OM3 50/125
Material used for longitudinal water tightness	Watertight glass yarns
Additional strength member	Glass yarn
Outer sheath	LSZH
Halogen free	IEC 60754-1
Metal free	Yes
Dimensional characteristics	
Nominal outer diameter	6.0 mm
Approximate weight	45 kg/km
Number of optical fibres	12
Mechanical characteristics	
Maximum pulling force (IEC 60794-1-2-E1)	2200 N
Maximum operating pulling force	700 N
Crush resistance (IEC 60794-1-E3)	200 N/cm
Mechanical resistance to impacts	10 impacts of 3 N.m
Usage characteristics	
Flame retardant	IEC 60332-1
Fire retardant	IEC 60332-3
Smoke density	IEC 61034-2
U.V resistance	Very good
Water proof	Longitudinal & radial
Installation type	Indoor/Outdoor
Installation temperature, range	0 ... 40 °C
Storage temperature, range	-40 ... 60 °C
Operating temperature, range	-40 ... 60 °C
Minimum static operating bending radius	60 mm
Laying operation bending radius	60 mm

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.