

1. Introduction

This classification report defines the classification assigned to **Masterlan Air1** in accordance with the procedures given in ČSN EN 13501-6: ed.2:2019 (EN 13501-6:2018)



**CLASSIFICATION OF REACTION TO FIRE
FOR ELECTRIC CABLES
IN ACCORDANCE WITH ČSN EN 13501-6: ed.2:2019 (EN 13501-6:2018)**

Sponsor:	DISCOMP s.r.o., Cvokařská 8, 312 00 Plzeň Czech Republic
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Notified Body No.:	1014
Product name:	Masterlan Air1
Classification report No.:	022361-01/01 CLASS
Issue number:	1
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2. Details of classified product

2.1 General

The product **Masterlan Air1** is defined as fibre optic cable according to ČSN EN 50575 (EN 50575)

2.2 Product description

The product **Masterlan Air1** is described below

Standard:

IEC 60794-5-10

Family specification-Outdoor microduct optical fiber cable, microducts and protected microducts for installation by blowing

Conductor:

Optical fiber – Quartz glass (silica)

Insulation:

Gel filled central tube

Core identification:

SM 9/125 (Corning G.657.A1)

Inner covering:

Aramid yarn, Gel filled central tube

Outer sheath:

Polyethylene HDPE

3. Reports and results in support of this classification

3.1 Reports

Enter details of report here as applicable

Name of Laboratory	Name of sponsor	Report ref. No.	Test method and date/field of application rules and date
ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p.	DISCOMP s.r.o., Cvokařská 8, 312 00 Plzeň Czech Republic	022361-01/01 022361-01/02	EN 60332-1-2

3.2 Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter - mean m	Compliance with parameters
EN 60332-1-2	Flame spread $H \leq 425$ mm	2	N/A	P
N/A – not applicable, P – Pass, F – Fail				

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with ČSN EN 13501-6 (EN 13501-6).

4.2 Classification

The product **Masterlan Air1** in relation to its reaction to fire behaviour is classified:

F_{ca}

The format of the reaction to fire classification for electric cables is:

Fire behaviour		Smoke production				Flaming droplets			Acidity	
F_{ca}	-	-	-	-	,	-	-	,	-	-

i.e. **F_{ca}**

Reaction to fire classification: F_{ca}

4.3 Field of application

This classification is valid for the family of fiber optic cable **Masterlan Air1** described in section 2 and listed below as determined in the extended application process (**EXAP**) according to CLC/TS 50576:2016

Cable Identification	Reaction to Fire Classification	Diameter (mm)
Masterlan Air1 2 cores - FAiR2SM2000b	Fca	2,8
Masterlan Air1 4 cores – FAiR4SM2000b	Fca	2,8
Masterlan Air1 8 cores – FAiR8SM2000b	Fca	2,8
Masterlan Air1 12 cores - FAiR2SM2000b	Fca	2,8

Intended use of the product:

Micro Fiber optic cable used for data transmission and communication inside and outside the buildings. Intended use in microtubes.



5. Limitations

This classification will be valid until:

- The test method remains unchanged
- Product standard or technical approval remains unchanged
- Constructional or material modifications do not exceed limits of the field of application defined in section 4.3.

This classification document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

SIGNED

signature of person undertaking classification


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Josef Malý

APPROVED

signature of person authorizing this report




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Miroslav Sedláček