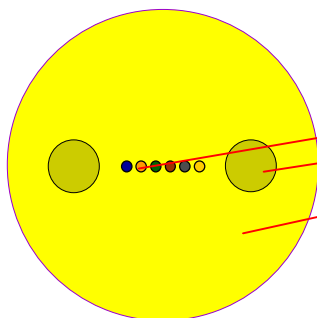


MicroLXE (Dielectric) Drop Cable

Issued: December 2004

Application

An All-Dielectric Outdoor Drop Cable for Duct or Underground FTTx installations.



Cable Design

- Optical Fibres
- Dielectric Strength Element
- Flame Retardant (LSOH) Sheath

Features

- 100 % Dry Cable with No Oils or Gels
- Compact and Highly Flexible Cable
- Flame Retardant Core/Sheath

Version shown is a 6-fiber cable.

Ordering Information

Fibre Type	Standard Sheath Color	Cable Code
AllWave® Single-Mode Fibre	Yellow	DM1-ABNN-X

NN: Number of Fibres (01 to 06)

AllWave Fibre = 0.35/0.25 dB/km at 1310/1550 nm (AllWave Fibre = ≤ 0.35 dB/km at 1383 nm)

Specifications		
Fibre Count	Cable Diameter (mm)	Cable Mass (kg/km)
1	3	11
2	3.5	14.5
4	3.5	14.5
6	3.5	14.5

Reel Specifications

Reel/Spool Type	Flange	Width	Max Length	Max Weight
	(mm)	(mm)	(km)	(kg)
Cordage Spool	510	460	TBD	TBD
24" Wood Reel	610	485	4.5	76
30" Wood Reel	760	485	9	148

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Identification

Fibre Color Code:

[Custom color code available upon request]

1	Blue (BL)
2	Orange (OR)
3	Green (GR)
4	Brown (BR)
5	Slate (SL)
6	White (WH)

Sheath Marking:

OFS OPTICAL CABLE
[ID] [MM/YY]
XXXM [Meter Marking]

Alternative Sheath printing available on request

Mechanical Properties and Environmental Behaviour

Tests according to EN 187000 and IEC 60794

	Parameter	Requirement	Value
Tensile Performance:			
EN 187000 IEC 60794-1-2-E1A and E2A	Short term load, during installation	- No attenuation increase* - Max. fibre strain: 0.33% of proof strain level	Load: 1.5 x W
Crush Performance:			
EN 187000 IEC 60794-1-2-E3	Short term load (15 min)	- No attenuation increase before versus after load* - No damage**	Load (Plate / Plate): 1500 N
Bending Performance:			
EN 187000 IEC 60794-1-2-E11	No Load	- No attenuation increase before versus after load*	Bend Diameter: 20 x D
Temperatures:			
EN 187000 IEC 60794-1-2-F1	Operation: Installation: Storage/Shipping:	- No attenuation increase*	-40 to +70°C -15 to +50°C -40 to +70°C
Impact Resistance:			
EN 187000 IEC 60794-1-2-E4		- No attenuation increase before versus after load*	3 J Hammer Radius 300 mm

* No changes in attenuation means that any changes in measurement value, either positive or negative within the uncertainty of measurement shall be ignored. The total uncertainty of measurement shall be less than or equal to 0.05 dB.

** Mechanical damage – when examined visually without magnification, there shall be no evidence of damage to the sheath. The imprint of plates will not be considered as damage.

The information is believed to be accurate at time of issue.
OFS reserves the right to improve, enhance and modify the features and specifications of OFS products without prior notification. Please ensure you have the latest version of the data sheet.
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For additional information please contact your sales representative. You can also visit our website at <http://www.ofsoptics.com>.

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