

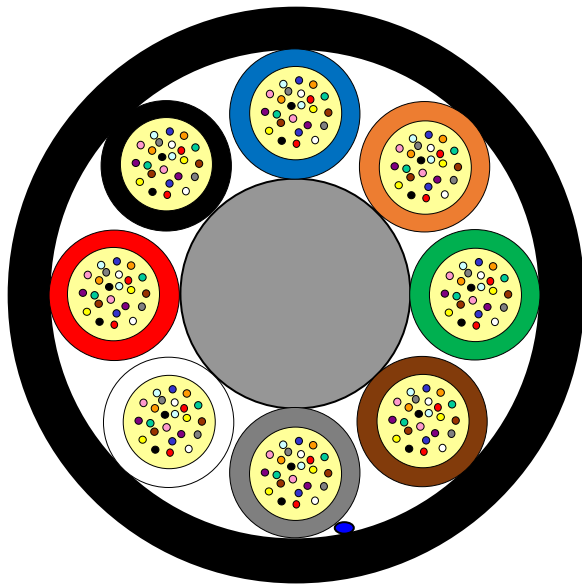
Loose Tube Fibre Optic Outdoor Cable

8 Element All Dielectric Dry Core Design

MiDia® Micro EX / K1-3366



Issue March 2019
according to **Customised OFS Generic Specification**



Application

Air-Blown Installation into Micro-Ducts

Design

- Optical Fibers
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Ripcord
- PE-Jacket

Features

- Small tubes for a reduced outer diameter
- Dry Core Design – Cable core water blocked by means of dry “water swellable” technology - for quicker, cleaner cable prep for jointing
- Individual colored tubes

Version illustrated is the 192 Fiber Cable

| Fibre Count | Tubes | Core Design | Outer Diameter [mm] | Cable Weight [kg/km] | Standard Length [m] | AT-Code* |
|---------------------------|-------|-------------|---------------------|----------------------|---------------------------|----------------|
| 24 Fibres per Tube | | | | | | |
| 192 | 8 | 1+6 | 7.9 | 60 | 2000 / 4000 / 6000 / 8000 | AT-3CE46XF-192 |

This table shows nominal diameter and weight values which may differ in shipments.

*Please refer to the OFS AT- Code.

Identification

Tube Color Code:

| | | | | | | | |
|---|------|---|--------|---|-------|---|-------|
| 1 | Blue | 2 | Orange | 3 | Green | 4 | Brown |
| 5 | Grey | 6 | White | 7 | Red | 8 | Black |

Fibre Color Code:

| | | | | | | | | | | | |
|----|-------|----|---------|----|---------|----|---------|----|-------|----|--------|
| 1 | Blue | 2 | Orange | 3 | Green | 4 | Brown | 5 | Grey | 6 | White |
| 7 | Red | 8 | Black | 9 | Yellow | 10 | Violet | 11 | Rose | 12 | Aqua |
| 13 | Blue* | 14 | Orange* | 15 | Green* | 16 | Brown* | 17 | Grey* | 18 | White* |
| 19 | Red* | 20 | Natural | 21 | Yellow* | 22 | Violet* | 23 | Rose* | 24 | Aqua* |

* Black ring

Sheath Marking

OFS OPTICAL CABLE MIDIA MICRO EX [ID] [MM/YYYY] [Handset Sign] 192F [Meter Marking]

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Mechanical Properties and Environmental Behaviour

Tests according to IEC 60794

| | Parameter | Requirement | Value |
|---|---|---|-----------------------------|
| Tensile Performance: IEC 60794-1-21-E1A and E1B | Long term load | - No attenuation increase* - No fibre strain | Load: 400 N |
| | Short term load, during installation | - No changes in attenuation before versus after load - Max. fibre strain 0.5% | Load: 2500 N |
| Crush Performance: IEC 60794-1-21-E3A | Long term load | - No attenuation increase* | Load (Plate / Plate): 200 N |
| | Short term load | - No changes in attenuation before versus after load - No damage** | Load (Plate / Plate): 700 N |
| Bending Performance: IEC 60794-1-21-E11 | Handling fixed installed | - No attenuation increase* | Bend radius: 120 mm |
| | During installation (under load) | - No changes in attenuation before versus after load | Bend radius: 240 mm |
| Temperatures: IEC 60794-1-22-F1 | Operation | - No attenuation increase* | -40 to +70°C |
| | Installation | | -15 to +40°C |
| | Storage/Shipping | | -40 to +70°C |

*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 of 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.

Shipping Information

| Cable Length | Drum Dimensions (approx.) | | Shipping Weight (calc.) | |
|--------------|---------------------------|--------|-------------------------|--------------|
| | Diameter | Width | Without lagging | With lagging |
| 2000 m | 1050 mm | 790 mm | 180 kg | 200 kg |
| 4000 m | 1050 mm | 790 mm | 300 kg | 320 kg |
| 6000 m | 1250 mm | 790 mm | 440 kg | 480 kg |
| 8000 m | 1450 mm | 790 mm | 590 kg | 630 kg |

The shipping information are given for one-way reels. Reusable reels are available on request.

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.

This data sheet is property of OFS.

For additional information please contact your sales representative.

You can also visit our website at <http://www.ofsoptics.com>.

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