

Loose Tube Fibre Optic Outdoor Cable

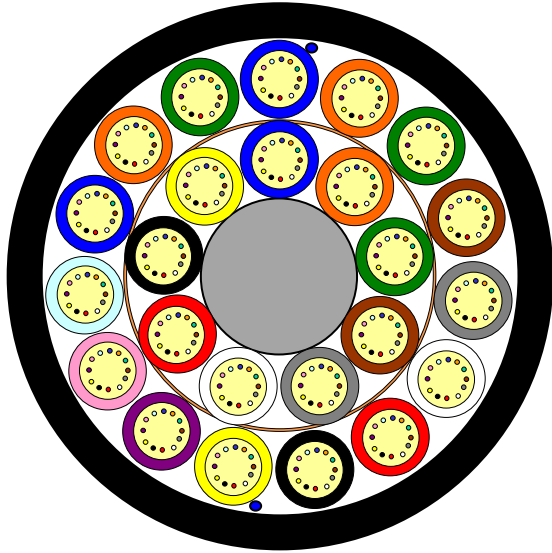
24 Element All Dielectric Dry Core Design

MiDia® Micro GX



Issue February 2024

according to **OFS FURUKAWA SOLUTIONS Generic Specification**



Application

Optimised for Air-Blown Installation
 Recommended duct size for optimized blowing performance: 12 and 14 mm Inner Diameter
 Pushforce [N]: 350 in 12 mm ID-Duct

Other combinations are possible, please contact us for more information. Distance achievable depends on route, equipment, and quality of duct.

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocking Material
- 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 coloured tubes

Version illustrated is the 288 Fibre Cable

| Fibre Count | Tubes | Core Design | Outer Diameter [mm] | Cable Weight [kg/km] | Standard Length [m] | AT-Code* |
|--------------------------------------|-------|-------------|---------------------|----------------------|---------------------------|----------------------|
| 12 Singlemode Fibres per Tube | | | | | | |
| 288 | 24 | 1+9+15 | 9.6 | 80 | 2000 / 4000 / 6000 / 8000 | AT-[][][]453T-288 |

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

*Please refer to the OFS FURUKAWA SOLUTIONS AT- Code. The blanks specify the fibre type.

Identification

Fibre Colour 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 |

Alternative fibre colour code available on request.

Tube Colour Code:

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

Alternative tube colour code available on request.

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Sheath Marking

OFS OPTICAL CABLE MIDIA MICRO GX [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing available on request.

Mechanical Properties and Environmental Behaviour

Tests according to IEC 60794

| | Parameter | Requirement | Value |
|--|---|---|-----------------------------|
| Tensile Performance: IEC 60794-1-21E1A and E1B | Long term load | - No attenuation increase* - No fibre strain | Load: 800 N |
| | Short term load, during installation | - No changes in attenuation before versus after load - Max. fibre strain 0.6% | Load: 3000 N |
| Crush Performance: IEC 60794-1-21-E3A | Short term load | - No changes in attenuation before versus after load - No damage** | Load (Plate / Plate): 600 N |
| | Bending Performance: IEC 60794-1-21-E11 | Handling fixed installed | - No attenuation increase* |
| During installation (under load) | | - No changes in attenuation before versus after load | Bend radius: 250 mm |
| Temperature Performance: 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 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.

Shipping Information

| Cable Length | Drum Dimensions (approx.) | | Shipping Weight (calc.) |
|--------------|---------------------------|---------|-------------------------|
| | Diameter | Width | Cable + Drum |
| 2000 m | 1000 mm | 780 mm | 210 kg |
| 4000 m | 1200 mm | 780 mm | 381 kg |
| 6000 m | 1400 mm | 780 mm | 566 kg |
| 8000 m | 1550 mm | 1060 mm | 770 kg |

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

The information is believed to be accurate at time of issue.
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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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