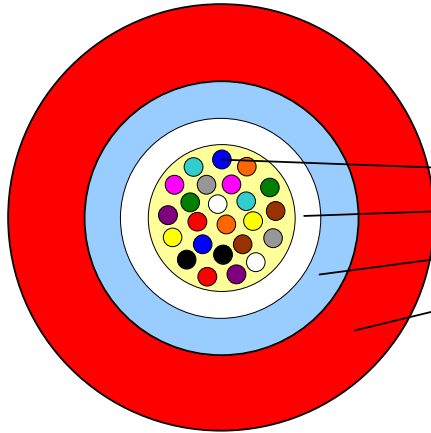


MiDia[®] CT Cable

Issue March 2005
according OFS Generic Specification



Application

Air-Blown Installation into Micro-Ducts (5,5/7mm)

Design

- Optical Fibres
- Water blocked Buffer Tube
- Tensile Strength Elements
- Red PE-Jacket

Features

- All Dielectric Cable
- Easy Fibre Access
- Light Weight - Optimised for Air-Blown Installation

Version illustrated is the 24 Fibre Cable

Fibre Count	AT-Code**
2	AT-□□□7XX2-002
3	AT-□□□7XX3-003
4	AT-□□□7XX4-004
6	AT-□□□7XX6-006
8	AT-□□□7XX8-008
10	AT-□□□7XXN-010
12	AT-□□□7XXT-012
24	AT-□□□7XXF-024

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

Cable Diameter (calc.): 3.9 mm
Cable Weight (calc.): 14 kg/km

Sheath Marking (Inkjet)

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

Alternative Sheath printing available on request

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Identification

Fibre Colour Code:

1	Blue	5	Grey	9	Yellow	13	Blue'	17	White'	21	Aqua'	' Black ring 50 mm spacing
2	Orange	6	White	10	Violet	14	Orange'	18	Red'	22	Blue''	'Black ring 25 mm spacing
3	Green	7	Red	11	Rose	15	Green'	19	Yellow	23	Orange''	
4	Brown	8	Black	12	Aqua	16	Grey'	20	Rose'	24	Green''	

Mechanical Properties and Environmental Behaviour

Tests according to EN 187105 and IEC 60794

	Parameter	Requirement	Value
Tensile Performance: EN 187105-5.5.4 IEC 60794-1-2-E1A and E1B	Short term load, during installation	- No changes in attenuation before versus after load* - Max. fibre strain 0.33%	200 N (> 1x W) <i>W is the weight of the cable in N</i>
Crush Performance: EN 187105-5.5.3 IEC 60794-1-2-E3	Short term load	- No changes in attenuation before versus after load* - No damage**	Load: 1000 N
Bending Performance: EN 187105-5.5.1 IEC 60794-1-2-E11	Handling fixed installed During installation (under load)	- No attenuation increase* - No changes in attenuation before versus after load*	Bend radius: 90 mm Bend radius: 120 mm
Temperatures: EN 187105-5.6.1 IEC 60794-1-2-F1	Operation Installation Storage/Shipping	- No attenuation increase*	-30 to +70°C - 5 to +40°C -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.

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.

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