

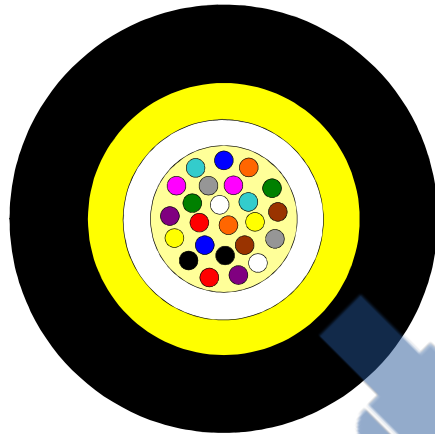
Optical FTTx Drop Cable

All Dielectric Design

MiDia® Monotube PA Drop Cable



Issue November 2017
according to **DFS Generic Specification**



Application

Customer drop cable for air-blown installation into Micro ducts (5/8 mm)

Design

- Optical Fibres
- Gel-filled Central Loose Tube
- Tensile Strength Elements
- PA-Jacket (alternative colors available on request)

Features

- FTTx-Fibre: OFS AllWave® FLEX Fibre G.657.A1
- All Dielectric Cable
- Easy Fibre Access
- Light Weight

Version illustrated is the 24 Fibre Cable

Fibre Count	Outer Diameter [mm]	Cable Weight [kg/km]	Product-Code
24	3.4	10	AT-[] [] 8TDF-024-PA

Sheath Marking (Inkjet)

DFS OPTICAL CABLE MIDIA MONOTUBE [ID] [MM/YY] 24F [Meter Marking]

Alternative sheath printing available on request.

In case of order the exact sheath printing text will be clarified with the customer.

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
13	Blue*	14	Orange*	15	Green*	16	Brown*	17	Grey*	18	White*
19	Red*	20	Nature	21	Yellow*	22	Violet*	23	Rose*	24	Aqua*

* Fibre with ring marking

Alternative tube and fibre colour code available on request

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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	Short term load, during installation	- No changes in attenuation before versus after load* - Max. fibre strain 0.5%	Load: 1xW (W is the weight of cable per km)
Crush Performance: IEC 60794-1-21-E3A	Short term load	- No changes in attenuation before versus after load* - No damage**	Load: 500 N
Cable Bending: IEC 60794-1-21-E11	Handling fixed installed During installation (under load)	- No attenuation increase* - No changes in attenuation before versus after load*	Bend radius: 15xD Bend radius: 20xD (D is the cable diameter in mm)
Temperatures: IEC 60794-1-22-F1	Operation Installation Storage/Shipping	- No attenuation increase*	-10 to +65°C 0 to +40°C -20 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

Available Cable Lengths: 2000 to 4000 m

At least ninety five (95) per cent of cables will be delivered in lengths as specified in the confirmed order within +5% and –0% tolerance. Not more than 5% of cables may be of lengths less than those specified in the confirmed order and with a maximum deviation of –10%. To account for minor attenuation variation along a master length of input fibre, DFS warrants that ninety (90) per cent of all fibres within a cable delivery will have attenuations equal to or less the specified limits. The remaining fibres will be allowed to have a maximum attenuation limit of 0,01dB/km above the upper specification limit.

The information is believed to be accurate at time of issue.
DFS reserves the right to improve, enhance and modify the features and specifications of DFS products without prior notification.
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For additional information please contact your sales representative.
You can also visit our website at <http://www.dartcom.co.za>.
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