

Loose Tube Fibre Optic Outdoor Cable

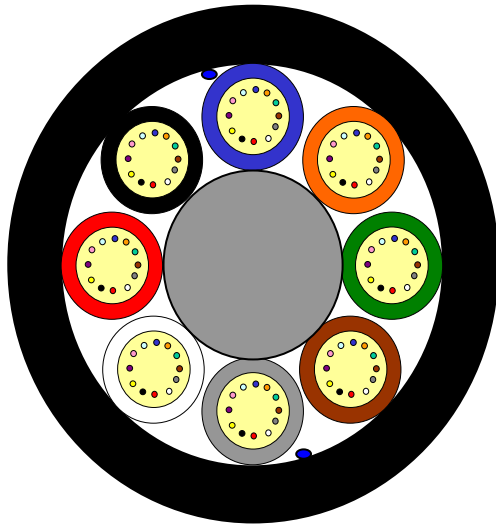
8 Element All Dielectric Dry Core Design

Un-armoured UG Duct Cable



Authorized Licensee of OFS Fiber Optic Cable Technology

Issue October 2019
according to **DFS Generic Specification**



Application

Mainly used in Duct-Installation (HD-PE Tubes)
and installed by Cable Blowing or Pulling

Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocked Cable Core
- 2 Ripcords
- Black PE-Jacket

Features

- All Dielectric Cable
- 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 96 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]
96	8	1+8	11.0	100	2000 / 4000 / 6000

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

*Fillers are natural coloured

Identification

Tube and 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 tube and fibre colour code available on request

Sheath Marking

DFS/OFS OPTICAL CABLE [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing 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-E1	Long term load	- No attenuation increase* - No fibre strain	Load: 1000 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.33%	Load: 2700 N
Crush Performance: IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 500 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 2000 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 10 x D
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 20 x D <i>D is the cable diameter</i>
Temperatures: IEC 60794-1-22-F1	Operation	- No attenuation increase*	-40 to +70°C
	Installation		-15 to +60°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(battened)	Width	Without lagging	With lagging
2000 m	1050 mm	790 mm	260 kg	280 kg
4000 m	1450 mm	790 mm	510 kg	550 kg
6000 m	1600 mm	1055 mm	730 kg	790 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.

DFS reserves the right to improve, enhance and modify the features and specifications of DFS products without prior notification.

Please ensure you have the latest version of the data sheet.

This data sheet is property of DFS.

For additional information please contact your sales representative.

You can also visit our website at <http://www.dartcom.co.za>.

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