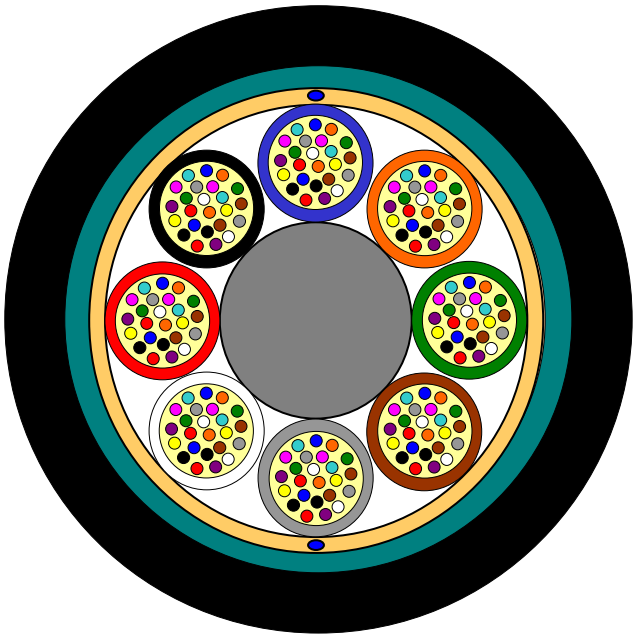
Loose Tube Fibre Optic Outdoor Cable

8 Element Dry Core Design

MiDia®200 Light Armour Cable

Issue February 2024
according to **OFS FURUKAWA SOLUTION Generic Specification**



Application
Mainly used for direct burial and for Duct-Installation (HD-PE Tubes) by Cable Pulling

Design
- Optical Fibres 200 µm
- Gel-filled Buffer Tubes
- Non-metallic Central Member
- Water Blocking Material
- Corrugated Steel Tape
- Ripcord
- PE-Jacket

Features
- Light Armour Cable – ideal rodent protection
- 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 192 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]	AT-Code**
192	8 (24F)	1+8	11.9	150	2000 / 4000 / 6000 / 8000	AT-[ ][ ][ ] H6CF-192

This table shows nominal diameter and weight values which may differ in shipments.
*Fillers are natural coloured **Please refer to the OFS FURUKAWA SOLUTONS AT- Code. The blanks specify the fibre type.

Identification

Tube Colour Code:

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

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*

* Black ring
Alternative tube and fibre colour code available on request

Sheath Marking

OFS OPTICAL CABLE MIDIA200 LIGHT ARMOUR [ID] [MM/YYYY] [Handset Sign] xxxF [Meter Marking]

Alternative sheath printing available on request.
In case of order the exact sheath printing text will be clarified with the customer.

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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: 750 N
	Short term load, during installation	- No changes in attenuation before versus after load - Max. fibre strain 0.5%	Load: 2 x W *W is the weight of the cable in N*
Crush Performance: IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 1000 N
	Short term load	- No changes in attenuation before versus after load - No damage**	Load (Plate / Plate): 3000 N
Bending Performance: IEC 60794-1-21-E11	Handling fixed installed	- No attenuation increase*	Bend radius: 15x D
	During installation (under load)	- No changes in attenuation before versus after load	Bend radius: 20x D *D is the cable diameter*
Temperature Performance: IEC 60794-1-22-F1	Operation Installation Storage/Shipping	- No attenuation increase*	-40 to +70°C -15 to +60°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 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**	**Cable + Drum**
2000 m	**1200 mm**	**780 mm**	**365 kg**
4000 m	**1400 mm**	**780 mm**	**690 kg**
6000 m	**1550 mm**	**1060 mm**	**1030 kg**
8000 m	**1700 mm**	**1060 mm**	**1370 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.
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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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