

Central Loose Tube Fibre Optic Cable

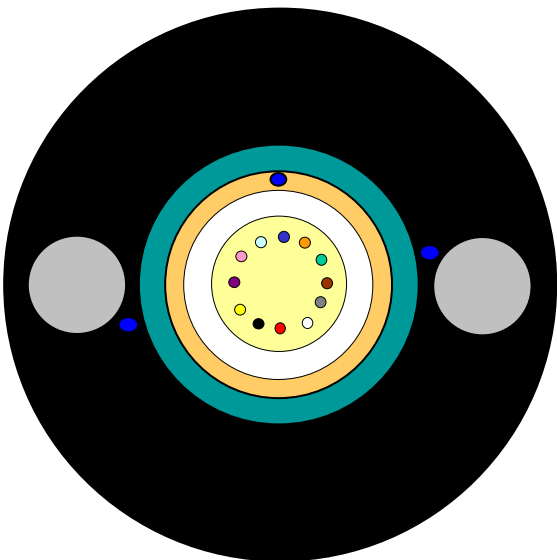
Steel Light Armoured Design

Mini C2 Cable



Issue March 2024

according to **OFS FURUKAWA SOLUTIONS Generic Specification**



Application

All-Purpose cable mainly used for direct burial or in Duct-Installation (HD-PE Tubes) installed by Pulling

Design

- Gel-filled Fibre Buffer Tube (Natural coloured)
- Ripcords
- Metallic Strength Elements
- Water Blocking Material
- Corrugated Steel Tape
- PE Outer sheath

Features

- Light Armour Cable – ideal rodent protection
- Central Loose Tube – compact and cost effective cable design
- High tensile load
- Individual coloured Fibres
- Individual coloured Tube optional

Version illustrated is the 12 Fibre Cable

Mini C2 Cable	
Sheath Options	PE
Weight [kg/km]	110
Diameter [mm]	9.7
Fibre Count	4 - 12
AT-Code*	AT-[-.][.][.]Q2Bx-xxx

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

Identification

Fibre Colour Code:						Sheath Marking	
1	Red	5	White	9	Aqua	OFS OPTICAL CABLE MINI C2 [ID] [MM/YY] [Handset-Sign] XXXX [Meter Marking] <i>Alternative Sheath printing available on request. customer.</i> <i>In case of order the exact sheath printing text will be clarified with the</i>	
2	Green	6	Grey	10	Black		
3	Blue	7	Brown	11	Orange		
4	Yellow	8	Violet	12	Rose		

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	Long term load	- No changes in attenuation before versus after load* - Max. fibre strain 0.2%	Load: 1200 N
	Short term load,	- No changes in attenuation before versus after load* - Max. fibre strain 0.5%	Load: 2700 N
Crush Performance: IEC 60794-1-21-E3A	Long term load	- No attenuation increase*	Load (Plate / Plate): 1100 N
	Short term load	- No changes in attenuation before versus after load* - No damage**	Load (Plate / Plate): 2200 N
Impact Performance: IEC 60794-1-21-E4	R of anvil = 300 mm	- No changes in attenuation before versus after load - No damage**	Energy: 5.0 J
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: 15 x D <i>D is the cable diameter</i>
Temperature Performance: IEC 60794-1-22-F1	Operation	- No attenuation increase*	-40 to +70°C
	Installation		-30 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 for Single-mode Fibres and 0.2 dB for Multimode Fibres.

**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	Small Drum Dimensions (approx.)		Shipping Weight (calc.)
	Diameter	Width	Cable + Drum
2000 m	1000 mm	780 mm	270 Kg
4000 m	1200 mm	780 mm	505 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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