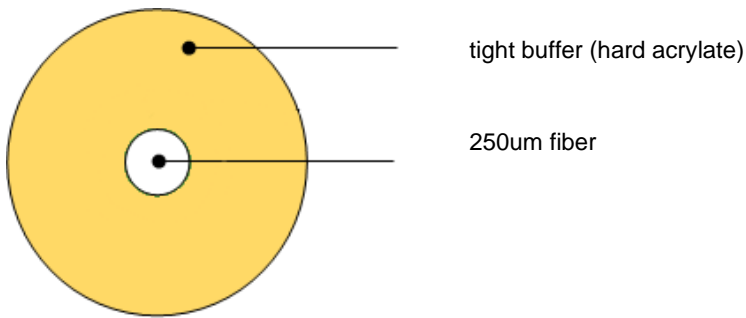


Type:	Single-Fiber Invisible Drop Cable	05.13.2019
Issued	MK	REV: 1.1
Approved	MD	
Product number:	I-DROP, cf. reference system at the bottom	

Single-Fiber Invisible Drop Cable



*schematic drawing, not to scale

APPLICATIONS:

Indoor installations, typically within the flat

DESIGN:

Tight buffer, Fiber color: natural, Buffer color: clear

CONFIGURATION:

Number of fibers	[pcs]	1F0 , single mode
Fiber type		G.657A1/ G.657A2/ G.657B3
Outer diameter	[µm]	900 ± 25
Weight	[kg/km]	0.77±10%

Can be supplied as pre-connectorized kit, with predefined length and optical connector as per customer requirements

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS:

Test	Norm	Conditions	Requirement
Tensile performance	IEC 60794-1-21 Method E1	Short term: 7N	$\epsilon \leq 0.6\%$ (during test) $\Delta\alpha \leq 0.05$ dB/km (during and after test)
		Long term: 2.5N	$\epsilon \leq 0.2\%$ (during test) $\Delta\alpha \leq 0.05$ dB/km (during and after test)
Crush resistance	IEC 60794-1-21 Method E3A	300 N/10 cm	$\Delta\alpha \leq 0.1$ dB @ 1550 nm (during and after test)
Temperature range	IEC 60794-1-22 Method F1	Installation	$\Delta\alpha \leq 0.1$ dB/km (during and after test)
		Operation	
		Transport & Storage	
Bend	IEC 60794-1-21 Method E11A1	Mandrel diameter: 2 cm, Turns: 8, Cycles: 15	$\Delta\alpha \leq 0.1$ dB @ 1550 nm (during and after test)
Impact resistance	IEC 60794-1-21 Method E4	Energy: 0.2 J	No jacket cracking and fibre breakage
Repeated bending	IEC 60794-1-21 Method E6	Radius: 3cm, Cycles: 50	$\Delta\alpha \leq 0.1$ dB @ 1550nm (during and after test) No significant damage to fibre unit
Torsion/Twist	IEC 60794-1-21 Method E7	Angle: +/- 180 deg. Cycles: 20	$\Delta\alpha \leq 0.1$ dB @ 1550nm (during and after test) No jacket cracking and fibre breakage

REFERENCE SYSTEM:

Type	Diameter	Number of fibers	Fiber type
I-DROP	09-900 µm	1	A1 – G.657A1
			A2 – G.657A2
			B3 – G.657B3

Ordering example: I-DROP-09-1-A2 – Invisible drop cable, 900 µm diameter, single fiber, G.657A2 fiber

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Terms of Sales of the selling Fibrain subsidiary.

