

PART NO. 837001AAA

FTTH Aerial Fiber Optic Cable, 1F SM G.657.A1

CAMCOM™

Detailed Specifications & Technical Data

CROSS SECTION



1 Optical fiber core [1]
2 Steel wire strength member
3 Web
4 Steel messenger wire
5 UV resistant halogen-free (LSOH) outer

CABLE CONSTRUCTION

Optical fiber core [1]
Steel wire strength member
Web
Steel messenger wire
UV resistant halogen-free (LSOH) outer jacket

MARKING, PACKING & DELIVERY

Marking	: CAMCOM – Date of Manufacture – Fiber Count and Type – Length Marking
Packing	: Wooden drum with protection
Delivery Lengths	: 2 km, 4 km ± %5 tolerance

APPLICATION

Minimum Bending Radius – Operation	: 20 x cable Ø
Minimum Bending Radius – Fixed	: 15 x cable Ø
Temperature Range – Storage	: -10°C to + 70°C
Temperature Range – Installation	: -30°C to +60°C
Temperature Range – Transport	: -10°C to + 70°C
Temperature Range – Operating	: -30°C to +60°C

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

	Test Standard	Specified Value	Acceptance Criteria
Maximum Installation Tension [2]	IEC 60794-1-2-E1	Max. 600 N	Fiber strain ≤ 0.33%
Maximum Operation Tension			Δα ≤ 0.05 dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	800 N / 100 mm, maks. 15 min	Δα ≤ 0.05 dB, No damage
Impact	IEC 60794-1-2-E4	0.74 Nm, 3 impacts, R= 25 mm	Δα ≤ 0.05 dB after the test
Torsion	IEC 60794-1-2-E7	1 m. 100N, +/- 360°, 10 cycles	Δα ≤ 0.05 dB, No damage
Repeated Bending	IEC 60794-1-2-E6	R=20x D, 100 N, 35 cycles	No damage
Bending Radius	IEC 60794-1-2-E11	R=20x D, 5 turns, 3 cycles	Δα ≤ 0.05 dB, No damage
Temperature Cycling	IEC 60794-1-2-F1	-10°C to +60°C	Δα ≤ 0.05 dB/km
Waterproofness	IEC 60794-1-2-F5B	Sample= 3 m, water column= 1 m	No water leakage in 24 hours.

CABLE TYPE DATA

CAMCOM Part No.	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
837001AAA	SM G.657.A1	1	2,0 x 5,2	21

PRODUCT VIEW



Camcom is proud to be certified by

Frame Offices - HQ, Alexanderveld 5-9,
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Designed in Netherlands & Produced Globally.

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Disclamer :- Datasheet is subject to modification without prior notication

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