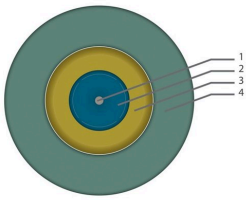


# PART NO. 866001CAB

J-V(ZN)H Fiber Optic Cable, 1F SM G.652.D

## Detailed Specifications & Technical Data

### CROSS SECTION



1 Optical fiber core
2 HFFR insulated tight-buffered fiber of
3 Non-metallic strength member (Aramid
4 UV resistant halogen-free (LSOH) outer

### CABLE CONSTRUCTION

Optical fiber core
HFFR insulated tight-buffered fiber of 900 µm diameter
Non-metallic strength member (Aramid yarn)
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 : -40°C to + 70°C
Temperature Range – Installation : -30°C to +60°C
Temperature Range – Transport : -40°C to + 70°C
Temperature Range – Operating : -40°C to +70°C

### MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

| | Test Standard | Specified Value | Acceptance Criteria |
|---|---|---|---|
| Maximum Installation Tension [2] | IEC 60794-1-2-E1 | Max. 200 N | Fiber strain ≤ 0.33% |
| Maximum Operation Tension | | | Δα ≤ 0.05 dB, No fiber strain |
| Crush Strength | IEC 60794-1-2-E3 | 1000 N / 100 mm, maks. 10 min | Δα ≤ 0.05 dB, No damage |
| Impact | IEC 60794-1-2-E4 | 10 Nm, 3 impacts, R= 300 mm | Δα ≤ 0.05 dB after the test |
| Torsion | IEC 60794-1-2-E7 | 1 m, 100N, +/- 180°, 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, 4 turns, 3 cycles | Δα ≤ 0.05 dB, No damage |
| Temperature Cycling | IEC 60794-1-2-F1 | -20°C to +70°C | Δα ≤ 0.05 dB/km |

### CABLE TYPE DATA

| CAMCOM Part No. | Core Type | Fiber Count | Cable Diameter (mm) | Cable Weight (kg/km) |
|---|---|---|---|---|
| 866001CAB | SM G.652.D | 1 | 2.8 | 9 |

### PRODUCT VIEW




**Camcom** is proud to be certified by

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Disclamer :- Datasheet is subject to modification without prior notication

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