

# PART NO. 863012AAA

A-V(ZN)H(SR)2Y Fiber Optic Cable, 12F OM3

CAMCOM™

## Detailed Specifications & Technical Data

### CROSS SECTION



1 Optical fiber core
2 HFFR insulated tight-buffered fiber of
3 Non-metallic strength member (Glass
4 UV resistant halogen-free (LSOH) black
5 Ripcord
6 Corrugated steel tape
7 UV resistant polyethylene black outer

### CABLE CONSTRUCTION

Optical fiber core
HFFR insulated tight-buffered fiber of 900 µm diameter
Non-metallic strength member (Glass yarn or aramid yarn)
UV resistant halogen-free (LSOH) black inner jacket.
Ripcord
Corrugated steel tape
UV resistant polyethylene black outer jacket

### 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 |

### 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 |

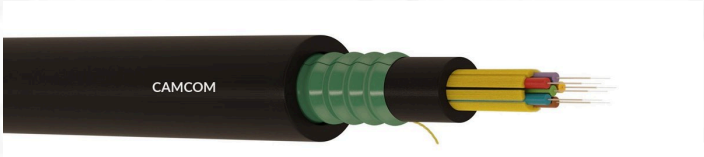
### MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

| | Test Standard | Specified Value | Acceptance Criteria |
|---|---|---|---|
| Maximum Installation Tension [2] | IEC 60794-1-2-E1 | 1.0 x W(N), min. 1200 N | Fiber strain ≤ 0.33% |
| Maximum Operation Tension | IEC 60794-1-2-E1 | 0.5 x W(N), min. 600 N | 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 |
| Waterproofness | | | |

### CABLE TYPE DATA

| CAMCOM Part No. | Core Type | Fiber Count | Cable Diameter (mm) | Cable Weight (kg/km) |
|---|---|---|---|---|
| 863012AAA | OM3 | 12 | 12.9 | 156 |

### PRODUCT VIEW

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Disclamer :- Datasheet is subject to modification without prior notication

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