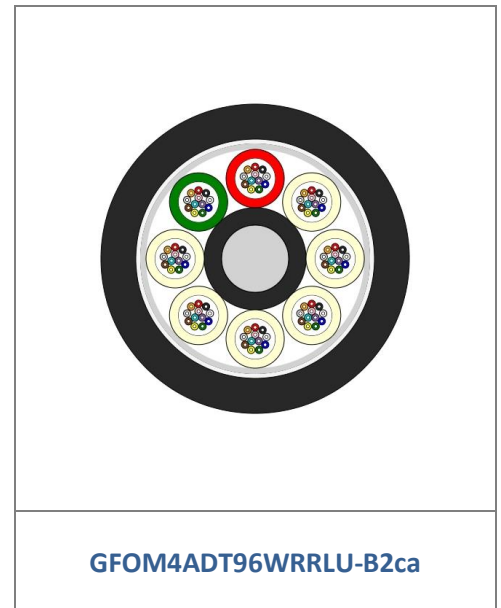


## APPLICATION

Leviton ADVENTUM™ B2ca cables offer up to 96 fibers in a compact, dry water-blocked and gel-free construction. ADVENTUM B2ca cables are compliant with the European Construction Products Regulation, achieving EuroClass level B2ca according to EN 13501-6. The ADVENTUM B2ca cables are suited to any high-density campus or in-building backbone installation where people safety in the case of fire is a high priority. ADVENTUM cables are suitable for internal/external installations in building and campus applications, vertical riser installations and data centers.

## FEATURES AND BENEFITS

- 12-96 fiber counts – color-coded according to TIA-598-D
- Bend Insensitive Fiber as Standard – Single-Mode, OM3, OM4 and OM5 versions to suit a variety of applications
- Resin bonded glass central strength member for a flexible design with a high strength-to-weight ratio
- Multiple dry water blocked tube construction with red and green marker reference – gel-free to reduce termination time and remove need for solvents
- Interstitially dry water blocked design to prohibit the ingress of water throughout the cable length
- Glass yarns – high-tensile yarns to offer strength and rodent protection
- Enhanced Halogen Free Flame-Retardant Low Smoke (HFFR-LS) sheath (Black, UV stable as standard)
- EuroClass B2ca meets the requirements of EuroClass Cca, Dca and Eca and can be used in applications where these are specified
- CE and UKCA marked for CPR
- Included in the Leviton 25 Year System Warranty when used in conjunction with Leviton connectivity. System warranties are available for qualified projects installed by certified contractor



## STANDARDS

<b>Applicable Cable Standards:</b>	ISO/IEC 11801, IEC 60794 and BS EN 50173-1
<b>Test Standards:</b>	IEC 60794-1-21 and IEC 60794-1-22
<b>Water Penetration:</b>	IEC 60794-1-22-F5C

## FIBER IDENTIFICATION

Fiber Identifier*	108	208	OM3	OM4	OM5
IEC 60793 Reference	2-50-B6_a	2-50-B6_a	2-10-A1a.2	2-10-A1a.3	2-10-A1a-OM5
ITU-T Recommendation	G.657.A1	G.657.A2	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS2	OS2	OM3	OM4	OM5
Effective Modal Bandwidth @850nm (MHz.km)	-	-	≥2000	≥4700	≥4700
Overfilled Launch Bandwidth @850nm (MHz.km)	-	-	≥1500	≥3500	≥3500
Attenuation @ 850nm (dB/km)	-	-	≤2.80	≤2.80	≤2.80
Attenuation @ 1300nm (dB/km)	-	-	≤0.80	≤0.80	≤0.80
Attenuation @ 1310nm (dB/km)	≤0.38	≤0.38	-	-	-
Attenuation @ 1550nm (dB/km)	≤0.25	≤0.25	-	-	-

Other fiber types are available on request.

## REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	IEC 60332-3-24	Pass
Bundled Cable Flame Rating	EN50399 20.5kW source	B2ca
Smoke Emission	EN50399	s1a
Flaming Droplets/Particles	EN50399	d1
Acid Gas Emission/Acidity	EN 50267-2-3	a1
Classification/EuroClass	EN13501-6	B2ca s1a d1 a1
UL Performance	UL 1666	Pass

## PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
12-48	2.0	8.9	80
72		9.4	85
96		10.6	110

# ADVENTUM™ 12-96F EuroClass B2ca

Datasheet: GD106460



## MECHANICAL PERFORMANCE

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend (mm)	Min. Dynamic Bend (mm)	Max. Crush (N/dm)	Impact Resistance (Nm)	Max. Torsion (Turns ± 180°)
12-48	240	790	15 x Cable Diameter	20 x Cable Diameter	1000	10	10
72	250	840					
96	330	1100					

## TEMPERATURE PERFORMANCE

Fiber Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
12-96	-40 °C to +75 °C	-40 °C to +75 °C	-5 °C to +50 °C

## PACKAGING INFO

Fiber Count	Reel Size (Flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
12-48	1200 x 690	1200 x 690	220	375	1	1
72	1200 x 690	1200 x 690	239	412	1	1
96	1200 x 690	1400 x 800	285	545	1	1

## PART NUMBER CONFIGURATOR

### GF- a - ADT - b - WRRLU-B2ca

**a** = Fiber Identifier\* e.g. "108" for G.657.A1 fiber

**b** = 2 digit fiber count e.g. "02" for 2 fiber cable

Example part number: GFOM4ADT96WRRLU-B2ca