

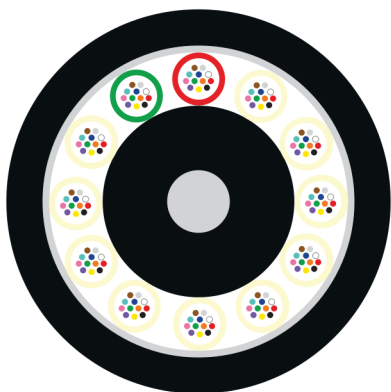
PRODUCT SPECIFICATIONS

ADVENTUM 144F EuroClass Cca Cable

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APPLICATION

Leviton ADVENTUM Cca cables offer 144 fibers in a compact, dry water-blocked and gel-free construction. ADVENTUM Cca cables are compliant with the European Construction Products Regulation, achieving EuroClass level Cca according to EN 13501-6. The ADVENTUM Cca 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.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/ns/warranty

FEATURES & BENEFITS

- 144 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
- Enhanced Halogen Free Flame-Retardant Low Smoke (HFFR-LS) sheath (Black, UV stable as standard)
- EuroClass Cca meets the requirements of EuroClass Cca, Dca and Eca and can be used in applications where these are specified
- CE marked for CPR
- 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

STANDARDS & REGULATIONS

- ISO/IEC 11801, IEC 60794 and BSEN 50173-1
IEC 60794-1-21 and IEC 60794-1-22
IEC 60794-1-22-F5C

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TECHNICAL SPECIFICATIONS

Construction

Type of cable	Loose Tube
Jacket material	HFFR-LS Sheathing
Usage Characteristics	
Temp. (Storage):	-40 °C to +75 °C (-40 °F to +167 °F)
Temp. (Installation):	-5 °C to +50 °C (+23 °F to +122 °F)
Temp. (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)

REACTION TO FIRE

Characteristics

	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2 IEC	Pass Pass
Bundled Cable Flame Rating	60332-3-24 EN 50399	Cca s1a d1 a1
Bundled Cable Flame Rating	20.5kW source EN 50399	Cca s1a d1 a1
Smoke Emission Flaming	EN 50399 EN 50267-2-3	Pass
Droplets/Particles Acid Gas	EN 13501-6 UL 1666	
Emission Classification /		
EuroClass UL Performance		

TECHNICAL SPECIFICATIONS

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend Radius	Min. Dynamic Bend Radius	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180°)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nominal Cable Weight (kg/km)
144	510	1700	7.5x Cable Diameter	10x Cable Diameter	1000	10	10	2.0	13.2	173

FIBER IDENTIFICATION

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

*Other fiber types are available on request.

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PACKAGING						
Fiber Count	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2 km	4 km	2 km	4 km	2 km	4 km
144	1200 x 690	1700 x 915	408	846	1	1

PART NUMBER CONFIGURATOR

Sample Part Number: **GE OM4 ADT 144 W RR LU - Cca**

DESIGN	FIBER TYPE	CONSTRUCTION	FIBER COUNT	WATER BLOCKING LAYER	ARMORING	OUTER SHEATH	EUROCLASS
GF	108SM G657A1	ADT ADVENTUM Multi-Dry Tube	144	W Water Swellable Tape	RR Layer of Glass Yarns	LU HFFR-LS	Cca
	208SM G657A2						
	OM3MM OM3						
	OM4MM OM4						
	OM5MM OM5						

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