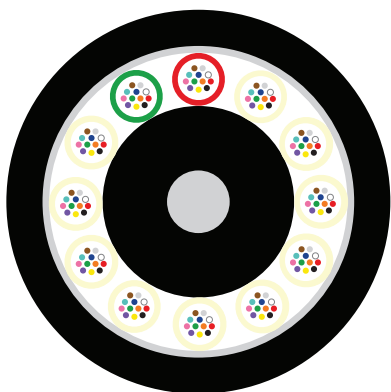


ADVENTUM™ 144F EuroClass Cca Cable

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.



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 and UKCA 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 BS EN 50173-1
- IEC 60794-1-21 and IEC 60794-1-22
- IEC 60794-1-22-F5C

COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to Leviton.com/NS/Warranty

PRODUCT SPECIFICATIONS
ADVENTUM™ 144F EuroClass Cca Cable



ADVENTUM 144F EuroClass Cca Cable

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

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	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.

PRODUCT SPECIFICATIONS
ADVENTUM™ 144F EuroClass Cca Cable



ADVENTUM 144F EuroClass Cca Cable

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: [GF](#) [OM4](#) [ADT](#) [144](#) [W](#) [RR](#) [LU](#) - [Cca](#)

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

For further support information, visit Leviton.com/NS/Support

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