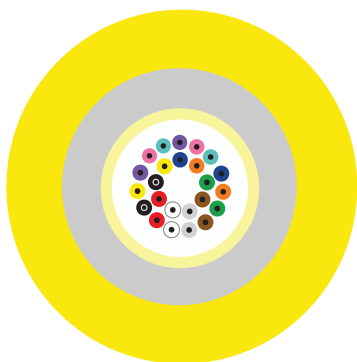


ADVENTUM™ RailSafe Central Dry Tube Cable

APPLICATION

Leviton ADVENTUM™ Central Dry Tube (CDT) RailSafe cables offer up to 24 fibers in a compact, dry, water-blocked tube, and gel-free construction. CDT RailSafe cables are compliant with the European Construction Products Regulation, achieving Euroclass level Cca according to EN 13501-6. Leviton ADVENTUM CDT RailSafe cables are suited to indoor/outdoor installations in low-density underground rail networks, stations, tunnels, trackside, or where people safety in the case of fire is a high priority.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://leviton.com/ns/warranty)

FEATURES & BENEFITS

- 2-24 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
- Dry water blocked design of the central tube to prohibit the ingress of water throughout the tube length
- Central dry tube cable construction – gel-free to improve fire performance, reduce termination time, and remove need for solvents
- Glass yarns – high-tensile yarns to offer strength and rodent protection
- Enhanced Halogen Free Flame-Retardant Low Smoke (HFFR-LS) sheath (UV stable as standard)
- Euroclass Cca s1a d0 a1 meets the Euroclass and toxicity requirements of LUL S1085
- Indoor/Outdoor design eliminates the need to transition from an Outdoor cable to an Indoor cable at the entrance facility
- CE marked for CPR

STANDARDS & REGULATIONS

- ISO/IEC 11801
- BS EN 50173-1
- IEC 60794-1
- IEC 60794-2
- LUL S1085

PRODUCT SPECIFICATIONS
GFxxxRSCxxLU-Ccaxx

TECHNICAL SPECIFICATIONS

Construction	
Type of cable	Central Dry Tube
Jacket Material	HFFR-LS
Usage Characteristics	
Temp. (Storage):	-20 °C to +60 °C (-4 °F to +140 °F)
Temp. (Installation):	-10 °C to +60 °C (+14 °F to +140 °F)
Temp. (Operating):	-20 °C to +60 °C (-4 °F to +140 °F)

REACTION TO FIRE

Characteristic	IEC Standard	EN Standard	CPR Rating
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass
Bundled Cable Flame Rating	IEC 60332-3-24	EN 60332-3-24	Pass
Cable Flame Rating	—	EN 50399	Cca
Smoke Emission	—	EN 50399	s1a
Flaming Droplets/Particles	—	EN 50399	d0
Acid Gas Emission	IEC60754-2	EN60754-2	a1
Classification / Euroclass	—	EN 13501-6	Cca s1a d0 a1

TECHNICAL SPECIFICATIONS

Fiber Count	Max. Tensile Load (N)	Max. Short Term Load (N)	Max Impact	Max. Torsion (Turns ± 180°)	Min. Static Bend Radius (mm)	Min. Dynamic Bend Radius (mm)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-12	450	1500	3 impacts 2.0 Nm	5	15x Cable Diameter	20x Cable Diameter	3.0	6.5	43
16-24							3.5	7.0	47

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	—	—	—
Cable Colors Available	Yellow	Yellow	Orange	Orange	Orange

*Other fiber types are available on request.

STANDARD PACKAGING SPECIFICATIONS - REELS

Fiber Count	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
2-24	915 x 470	1055 x 515	102	192	2	1
			111	209		

PRODUCT SPECIFICATIONS
GFxxxRSCxxLU-Ccaxx



PART NUMBER CONFIGURATOR

Sample Part Number: [GF](#) [OM4](#) [RSC](#) [24](#) [LU](#) - [Cca](#) [OR](#)

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	OUTER SHEATH		EUROCLASS	COLOR	
GF	108	SM G657A1	RSC	RailSafe Cable	2	LU	HFFR-LS	Cca	YW	Yellow (Standard for Singlemode)
	208	SM G657A2			4				OR	Orange (Standard for Multimode)
	OM3	MM OM3			6					
	OM4	MM OM4			8					
	OM5	MM OM5			12					
					16					
		24								

GFxxxRSCxxLU-Ccaxx

PART NUMBERS

Description	Part No.
4 Fiber Singlemode G.657.A1 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GF108RSC04LU-Cca YW
6 Fiber Singlemode G.657.A1 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GF108RSC06LU-Cca YW
8 Fiber Singlemode G.657.A1 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GF108RSC08LU-Cca YW
12 Fiber Singlemode G.657.A1 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GF108RSC12LU-Cca YW
24 Fiber Singlemode G.657.A1 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GF108RSC24LU-Cca YW
4 Fiber Multimode OM3 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM3RSC04LU-Cca OR
6 Fiber Multimode OM3 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM3RSC06LU-Cca OR
8 Fiber Multimode OM3 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM3RSC08LU-Cca OR
12 Fiber Multimode OM3 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM3RSC12LU-Cca OR
24 Fiber Multimode OM3 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM3RSC24LU-Cca OR
4 Fiber Multimode OM4 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM4RSC04LU-Cca OR
6 Fiber Multimode OM4 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM4RSC06LU-Cca OR
8 Fiber Multimode OM4 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM4RSC08LU-Cca OR
12 Fiber Multimode OM4 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM4RSC12LU-Cca OR
24 Fiber Multimode OM4 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM4RSC24LU-Cca OR
4 Fiber Multimode OM5 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM5RSC04LU-Cca OR
6 Fiber Multimode OM5 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM5RSC06LU-Cca OR
8 Fiber Multimode OM5 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM5RSC08LU-Cca OR
12 Fiber Multimode OM5 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM5RSC12LU-Cca OR
24 Fiber Multimode OM5 - ADVENTUM RailSafe - Central Dry Tube Cable - LSHF/LSZH - Euroclass Cca	GFOM5RSC24LU-Cca OR

For further support information, visit Leviton.com/ns/support

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