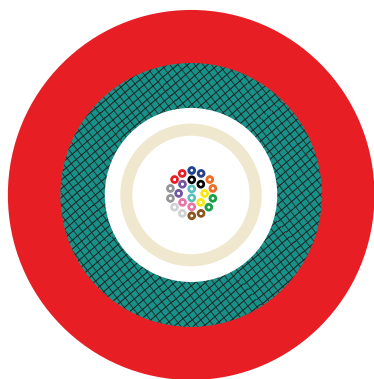


ADVENTUM™ Fire Survival Indoor CDT Steel Tape Armored Cables

APPLICATION

Leviton ADVENTUM Fire Survival Steel Tape Armored Central Dry Tube (CDT) cables offer up to 24 fibers in a compact, dry tube and gel-free construction. ADVENTUM Fire Survival cables are specially designed to withstand the strict flammability tests of IEC 60331-25 and BS EN 50200. Suitable for areas where critical data transmission must continue when the building or structure in which it is installed is on fire. Ideal for large public buildings such as data centers, airports, railway stations, stadia, and onshore/offshore industrial structures. The steel tape armor range has been designed to offer enhanced mechanical properties, suitable for indoor applications where the cable may be subject to mechanical crush and impact whilst also providing an additional barrier to fire protecting the integrity of data transmission.



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
- Central dry tube cable construction — gel-free to reduce termination time and remove the need for solvents
- Glass yarns – high tensile yarns to offer tensile strength
- Corrugated steel-tape armor for superior mechanical crush and impact resistance and optimal rodent protection
- Enhanced Halogen Free Flame-Retardant Low Smoke (HFFR-LS) sheath (Red, UV stable as standard)
- Maximum attenuation change during fire testing complies with requirements in BS EN 50582

STANDARDS & REGULATIONS

- ISO/IEC 11801
- IEC 60794
- BS EN 50173-1
- BS EN 50200
- IEC 60794-1-21
- IEC 60794-1-22
- IEC 60331-25

PRODUCT SPECIFICATIONS
GFxxxCDTxxSTALUFS

TECHNICAL SPECIFICATIONS

Construction	
Type of Cable	Central Dry Tube
Jacket Material	HFFR-LS
Usage Characteristics	
Temp. (Storage):	-40 °C to +75 °C (-40 °F to +167 °F)
Temp. (Installation):	-10 °C to +60 °C (+14 °F to +140 °F)
Temp. (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)

REACTION TO FIRE

Characteristic	IEC Standard	EN Standard	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
Resistance to Fire	IEC 60331-25	—	Pass
Resistance to Fire	—	EN 50200	Pass - PH90

TECHNICAL SPECIFICATIONS

Fiber Count	Max. Long Term Tensile Load (N)	Max. Short Term Tensile Load (N)	Min. Static Bend Radius (mm)	Min. Dynamic Bend Radius (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180°)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-24	1000	3000	10x Cable Diameter	15x Cable Diameter	2200	20	5	3.5	9.9	111

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 Color	Red	Red	Red	Red	Red

*Other fiber types are available on request.

PACKAGING

Fiber Count	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
2-24	1200 x 1200 x 690	1400 x 1400 x 800	286	548	1	1

PRODUCT SPECIFICATIONS
GFxxxCDTxxSTALUFS



PART NUMBER CONFIGURATOR

Sample Part Number: [GF](#) [OM4](#) [CDT](#) [24](#) [STA](#) [LU](#) [FS](#)

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	ARMORING		OUTER SHEATH		SPECIAL ENVIRONMENT	
GF	108	SM G657A1	CDT	Central Dry Tube	02	STA	Corrugated Steel Tape Armor	LU	HFFR-LS	FS	Fire Survival
	208	SM G657A2			04						
	062	OM1			06						
	OM3	OM3			08						
	OM4	OM4			12						
	OM5	OM5			16						
				24							

GFxxxCDTxxSTALUFS

PART NUMBERS

Description	Part No.
4 Fiber Single-Mode G.657.A1, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GF108CDT04STALUFS
6 Fiber Single-Mode G.657.A1, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GF108CDT06STALUFS
8 Fiber Single-Mode G.657.A1, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GF108CDT08STALUFS
12 Fiber Single-Mode G.657.A1, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GF108CDT12STALUFS
24 Fiber Single-Mode G.657.A1, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GF108CDT24STALUFS
4 Fiber Multimode OM3, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM3CDT04STALUFS
6 Fiber Multimode OM3, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM3CDT06STALUFS
8 Fiber Multimode OM3, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM3CDT08STALUFS
12 Fiber Multimode OM3, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM3CDT12STALUFS
24 Fiber Multimode OM3, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM3CDT24STALUFS
4 Fiber Multimode OM4, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM4CDT04STALUFS
6 Fiber Multimode OM4, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM4CDT06STALUFS
8 Fiber Multimode OM4, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM4CDT08STALUFS
12 Fiber Multimode OM4, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM4CDT12STALUFS
24 Fiber Multimode OM4, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM4CDT24STALUFS
4 Fiber Multimode OM5, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM5CDT04STALUFS
6 Fiber Multimode OM5, Fire Survival CDT STA Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM5CDT06STALUFS
8 Fiber Multimode OM5, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM5CDT08STALUFS
12 Fiber Multimode OM5, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM5CDT12STALUFS
24 Fiber Multimode OM5, Fire Survival CDT STA, Indoor LSHF/LSZH - IEC 60331-25 - EN50200 PH90	GFOM5CDT24STALUFS

Note: Other fiber types and counts are available on request.

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

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