

PRODUCT SPECIFICATIONS

Steel-Tape Armored Unitube Cables

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APPLICATION

Leviton Steel-Tape Armored Unitube cables offer up to 24 fibers in a compact cable construction. The range has been designed to offer enhanced mechanical properties over the Duct-Grade Unitube product range. The Steel-Tape Armored Unitube is suitable for direct burial applications and other campus backbone environments where the cable may be subject to mechanical crush and impact.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

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

FEATURES & BENEFITS

- 2-24 fiber counts – color-coded according to TIA-598-D
- Customizable fiber selection including Single-Mode, OM1, OM3, OM4, OM5 and hybrid versions to suit a variety of applications
- Single gel-filled loose-tube to block the ingress of water
- Glass yarn armoring in the form of high tensile yarns to offer strength
- Corrugated steel-tape armor for superior mechanical crush and impact resistance and optimum rodent protection
- Available in a range of UV stable sheath materials to suit a variety of installation environments
- Halogen-Free Flame Retardant Low-Smoke (HFFR-LS) versions meet the requirements of the Construction Products Regulation (CPR) Euroclass Eca
- CE marked for CPR

STANDARDS & REGULATIONS

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

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TECHNICAL SPECIFICATIONS

Construction

Type of cable	Loose Tube
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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

Characteristics	IEC Standard	EN Standard	CPR Rated Product	External Product
Material Description	—	—	HFFR-LS	Polyethylene N/A -
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass	External Only N/A -
Classification / Euroclass	—	EN 13501-6	Eca	External Only

OPTICAL PERFORMANCE

Fiber Identifier	008	108	208	062	OM3	OM4	OM5
IEC 60793 Reference	2-50-B1.3	2-50-B6_a	2-50-B6_a	2-10-A1b	2-10-A1a.2	2-10-A1a.3	-2-10 A1-OM5
ITU-T Recommendation	G.652.D	G.657.A1	G.657.A2	—	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS1a/OS2	OS1a/OS2	OS1a/OS2	OM1	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	≤0.38	—	—	—	—
Attenuation @1550nm (dB/km)	≤0.25	≤0.25	≤0.25	—	—	—	—

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Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend Radius (mm)	Min. Dynamic Bend Radius (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180o)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)	
										LU	NM
2-24	300	1000	10x Cable Diameter	15x Cable Diameter	4000	20	5	4.0	10.4	128	107

PACKAGING

Fiber Count	Material Identifier	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
		2km	4km	2km	4km	2km	4km
2-24	LU	1200 x 1200 x 690	1400 x 1400 x 800	393	695	1	1
	NM			350	609		

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PART NUMBER CONFIGURATOR

Sample Part Number: [GE OM4 UNI 24 STA LU - Eca](#)

DESIGN	FIBER TYPE	CONSTRUCTION	FIBER COUNT	ARMORING	OUTER SHEATH	EUROCLASS
GF	008 SM G652D	UNI Unitube	02	STA Corrugated Steel Tape Armor	LU HFFR-LS	Eca
EF	108 SM G657A1		04		NM PE	
	208 SM G657A2		06			
	062 MM OM1		08			
	OM3MM OM3		12			
	OM4MM OM4		16			
	OM5MM OM5		24			

PART NUMBERS - CPR	
Description	Part No.
4 Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 6	GF108UNI04STALU-Eca
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 8	GF108UNI06STALU-Eca
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 12	GF108UNI08STALU-Eca
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 24	GF108UNI12STALU-Eca
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 4	GF108UNI24STALU-Eca
Fiber Multimode OM3 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 6 Fiber	GFOM3UNI04STALU-Eca
Multimode OM3 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 8 Fiber	GFOM3UNI06STALU-Eca
Multimode OM3 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 12 Fiber	GFOM3UNI08STALU-Eca
Multimode OM3 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 24 Fiber	GFOM3UNI12STALU-Eca
Multimode OM3 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 4 Fiber	GFOM3UNI24STALU-Eca
Multimode OM4 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 6 Fiber	GFOM4UNI04STALU-Eca
Multimode OM4 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 8 Fiber	GFOM4UNI06STALU-Eca
Multimode OM4 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 12 Fiber	GFOM4UNI08STALU-Eca
Multimode OM4 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 24 Fiber	GFOM4UNI12STALU-Eca
Multimode OM4 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 4 Fiber	GFOM4UNI24STALU-Eca
Multimode OM5 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 6 Fiber	GFOM5UNI04STALU-Eca
Multimode OM5 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 8 Fiber	GFOM5UNI06STALU-Eca
Multimode OM5 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 12 Fiber	GFOM5UNI08STALU-Eca
Multimode OM5 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca 24 Fiber	GFOM5UNI12STALU-Eca
Multimode OM5 - Steel Tape Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI24STALU-Eca

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PART NUMBERS - EXTERNAL

Description	Part No.
4 Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, External PE Sheath 6	GF108UNI04STANM
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, External PE Sheath 8	GF108UNI06STANM
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, External PE Sheath 12	GF108UNI08STANM
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, External PE Sheath 24	GF108UNI12STANM
Fiber Singlemode G.657.A1 - Steel Tape Armored Unitube, External PE Sheath 4	GF108UNI24STANM
Fiber Multimode OM3 - Steel Tape Armored Unitube, External PE Sheath 6 Fiber	GFOM3UNI04STANM
Multimode OM3 - Steel Tape Armored Unitube, External PE Sheath 8 Fiber	GFOM3UNI06STANM
Multimode OM3 - Steel Tape Armored Unitube, External PE Sheath 12 Fiber	GFOM3UNI08STANM
Multimode OM3 - Steel Tape Armored Unitube, External PE Sheath 24 Fiber	GFOM3UNI12STANM
Multimode OM3 - Steel Tape Armored Unitube, External PE Sheath 4 Fiber	GFOM3UNI24STANM
Multimode OM4 - Steel Tape Armored Unitube, External PE Sheath 6 Fiber	GFOM4UNI04STANM
Multimode OM4 - Steel Tape Armored Unitube, External PE Sheath 8 Fiber	GFOM4UNI06STANM
Multimode OM4 - Steel Tape Armored Unitube, External PE Sheath 12 Fiber	GFOM4UNI08STANM
Multimode OM4 - Steel Tape Armored Unitube, External PE Sheath 24 Fiber	GFOM4UNI12STANM
Multimode OM4 - Steel Tape Armored Unitube, External PE Sheath 4 Fiber	GFOM4UNI24STANM
Multimode OM5 - Steel Tape Armored Unitube, External PE Sheath 6 Fiber	GFOM5UNI04STANM
Multimode OM5 - Steel Tape Armored Unitube, External PE Sheath 8 Fiber	GFOM5UNI06STANM
Multimode OM5 - Steel Tape Armored Unitube, External PE Sheath 12 Fiber	GFOM5UNI08STANM
Multimode OM5 - Steel Tape Armored Unitube, External PE Sheath 24 Fiber	GFOM5UNI12STANM
Multimode OM5 - Steel Tape Armored Unitube, External PE Sheath	GFOM5UNI24STANM