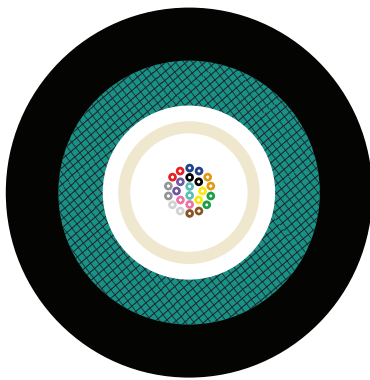


Steel-Tape Armored Unitube Cables

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](https://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

PRODUCT SPECIFICATIONS

Steel-Tape Armored Unitube Cables

TECHNICAL SPECIFICATIONS

Construction

Type of cable	Loose Tube
---------------	------------

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
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass	N/A - External Only
Classification / Euroclass	—	EN 13501-6	Eca	N/A - 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	—	—	—	—

TECHNICAL SPECIFICATIONS

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 ± 180°)	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		

PRODUCT SPECIFICATIONS

Steel-Tape Armored Unitube Cables

PART NUMBER CONFIGURATOR

Sample Part Number: **GF 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					
	OM3	MM OM3			12					
	OM4	MM OM4			16					
	OM5	MM OM5			24					

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

PRODUCT SPECIFICATIONS

Steel-Tape Armored Unitube Cables

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

For further support information, visit [Leviton.com/ns/support](https://leviton.com/ns/support)

Page 4 of 4

USA
Network Solutions Headquarters
+1 (800) 722 2082
infoUSA@leviton.com

BERK-TEK™ Cable
+1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
+852 3620 2602
infoAPAC@leviton.com

Canada
+1 (800) 461 2002
infoCanada@leviton.com

Europe
+44 (0) 1592 772124
infoEurope@leviton.com

Latin America
MX: +52 (55) 2128 6286
LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
+971 (4) 247 9800
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT [LEVITON.COM/NS](https://leviton.com/ns) TO LEARN MORE.