

APPLICATION

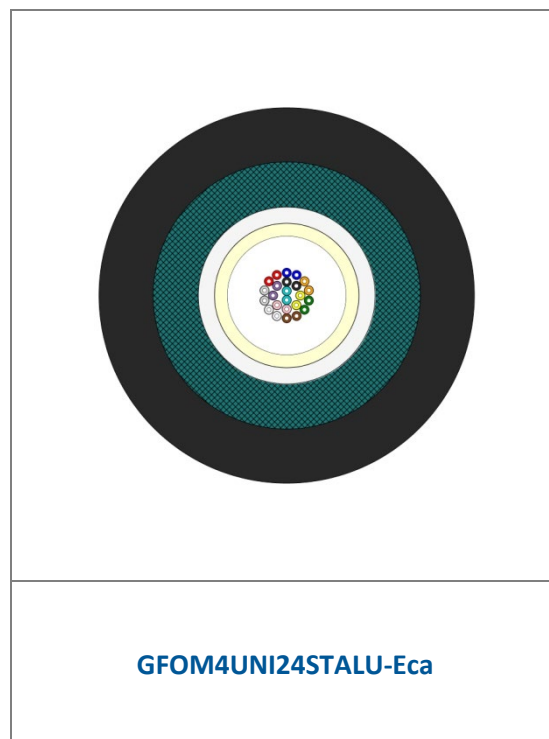
Leviton Steel-Tape Armored Unitube cables offer up to 24 fibers in a compact cable construction. The range has been designed to offer enhanced mechanical properties over the Duct-Grade Unitube product range.

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.

FEATURES AND BENEFITS

- 2-24 Fiber counts – color-coded according to TIA-598-D
- Customizable fiber selection including single-mode, multimode 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 sheath materials to suit a variety of installation environments
- HFFR-LS* versions meet the requirements of the Construction Products Regulation (CPR) EuroClass Eca
- Included in the Leviton Limited 25-Year System Warranties when used in conjunction with Leviton connectivity. System warranties are available for qualified projects installed by certified contractors

*Halogen Free Flame Retardant – Low Smoke



STANDARDS

Applicable Cable Standards: ISO/IEC 11801, IEC 60794 and BS EN 50173-1

Test Standards: IEC 60794-1-21 and IEC 60794-1-22

FIBER IDENTIFICATION

Fiber Identifier*	008	108	208	062	050	OM3	OM4
IEC 60793 Reference	2-50-B1.3	2-50-B6_a	2-50-B6_a	2-10-A1b	2-10-A1a.1	2-10-A1a.2	2-10-A1a.3
ITU-T Recommendation	G.652.D	G.657.A1	G.657.A2	N/A	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS1/OS2	OS1/OS2	OS1/OS2	OM1	OM2	OM3	OM4

Steel-Tape Armored Unitube Cables

Datasheet: GD102133v7



MATERIAL IDENTIFICATION

Material Identifier**	LU	LUHF3	NM
Material Description	Standard HFFR-LS	Enhanced HFFR-LS	PE - Polyethylene
Flammability Rating	IEC 60332-1-2	IEC 60332-3-24	N/A - External Only
Fire EuroClass EN13501-6	Eca	Eca	N/A – External Only
Acid Gas Emission	IEC 60754-2	IEC 60754-2	N/A - External Only
Color	Black	Black	Black

PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)		
			LU	LUHF3	NM
2-24	4.0	10.4	128	131	107

MECHANICAL PERFORMANCE

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend (mm)	Min. Dynamic Bend (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180°)
2-24	300	1000	10 x Cable Diameter	15 x Cable Diameter	4000	20	5

TEMPERATURE PERFORMANCE

Fiber Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
2-24	-20°C to + 60°C	-20°C to + 60°C	-10°C to + 60°C

PACKAGING INFO

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
	LUHF3	1200 x 1200 x 690	1400 x 1400 x 800	398	704	1	1
	NM	1200 x 1200 x 690	1400 x 1400 x 800	350	609	1	1

PART NUMBER CONFIGURATOR

a - b - UNI - c - STA - d - Eca

a = **GF** for standard design
EF for Enhanced LSHF

b = Fiber Identifier*
e.g. **"008"** for G.652.D fiber

c = 2-digit fiber count
e.g. **"02"** for 2 fiber cable

d = Material Identifier**
e.g. **"LU"** for standard LSHF

Example part number: GFOM4UNI24STALU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom

*"Leviton is **dedicated** to **designing, developing and manufacturing** sustainable **high performance** structured cabling and specialty **cabling solutions**"*

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