

Steel-Tape Armored Multi-Loose-Tube Cables

Datasheet: GD102199v6



APPLICATION

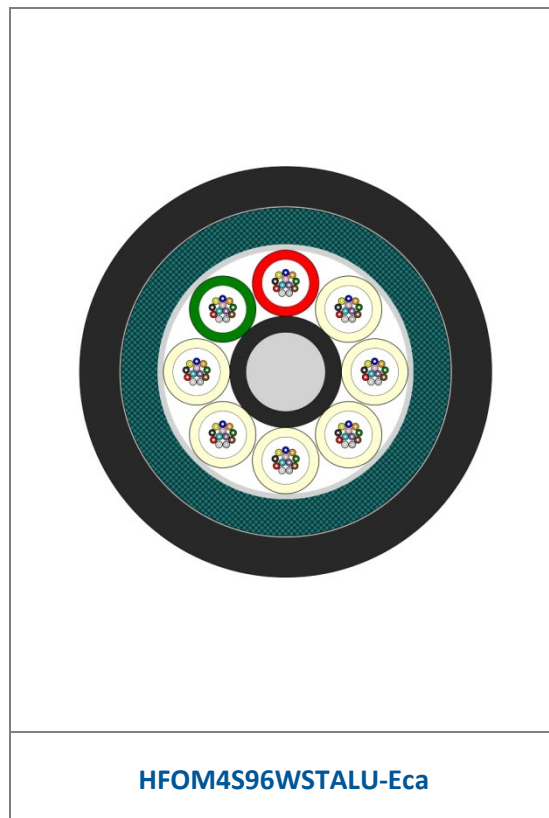
Leviton Steel-Tape Armored Multi-Loose-Tube Cables offer up to 216 fibers. The range has been designed to offer enhanced mechanical properties over the Duct-Grade Multi-Loose-Tube product range.

These cables are suitable for high-fiber count direct-burial applications and other campus backbone environments where the cable may be subject to mechanical crush and impact.

FEATURES AND BENEFITS

- 12-216 Fiber-counts - up to 12 fibers per tube color coded according to TIA-598-D
- Customizable fiber selection including single-mode, multimode and hybrid versions to suit a variety of applications
- Resin bonded glass central strength member for a flexible design with a high strength-to-weight ratio
- Stranded gel-filled loose-tubes with red and green marker reference for simplified tube identification
- Corrugated steel-tape armor for superior mechanical crush and impact resistance and optimum rodent protection
- Available in a range of UV stable jacket 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

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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

[†] Halogen-Free Flame-Retardant Low-Smoke

PHYSICAL CHARACTERISTICS

Fiber Count	No. Elements (Tubes/Fillers)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight <i>M</i> (kg/km)		
				LU	LUHF3	NM
12-72	6	2.5	13.4	195	198	166
84-96	8		15.4	243	247	208
108-144	12		18.5	334	339	294
156-216	18		18.5	330	335	290

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°)
12-216	600	2700	10 x Cable Diameter	15 x Cable Diameter	4000	20	5

TEMPERATURE PERFORMANCE

Fiber Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
12-216	-40°C to + 70°C	-40°C to + 70°C	-10°C to + 70°C

PACKAGING INFO

Fiber Count	Reel Size (flange x width mm)		Gross Weight [‡] (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
12-72	1200 x 690	1700 x 915	2M + 137	4M + 313	1	non-palletized
84-96	1400 x 800	N/A	2M + 183	N/A	1	N/A
108-144	1700 x 915	N/A	4M + 313	N/A	non-palletized	N/A
156-216	1700 x 915	N/A	4M + 313	N/A	non-palletized	N/A

[‡]Refer to nominal cable weight for *M*.

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PART NUMBER CONFIGURATOR

a - b - S - c - WSTA - d - Eca

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

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

c = 2- or 3-digit fiber count
e.g. "02" for 2 fiber cable

d = Material Identifier**
e.g. "LU" for standard HFFR-LS

Example part number: HFOM4S96WSTALU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom

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

The information contained in this document is valid and correct at the time of issue. Leviton reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.