Twin-Sheath Steel-Tape Armoured Multi-Loose-Tube Cables

Datasheet: GD102145v7

APPLICATION

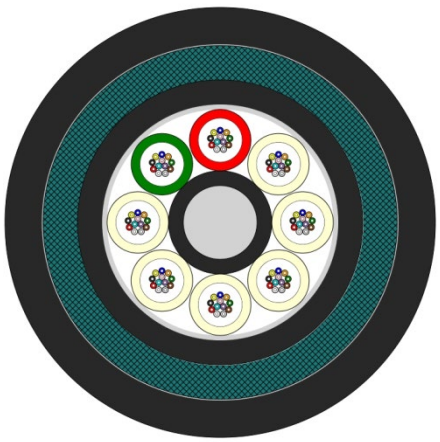
Leviton Twin-Sheath Steel-Tape Armored Multi-Loose-Tube cables offer up to 216 fibers. The range has been designed to offer enhanced mechanical properties over the Duct-Grade Multi-Loose-Tube product range.

Leviton Twin-Sheath Steel-Tape Armored Multi-Loose-Tube 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
- Twin-sheath design offering additional mechanical protection and installation options
- Available in a range of UV stable jacket materials as standard 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 Warranty when used in conjunction with Leviton connectivity. System warranties are available for qualified projects installed by certified contractors

**Halogen Free Flame Retardant – Low Smoke*



HFOM4S96LWSTALU-Eca

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
Water Penetration:	IEC 60794 -1-22-F5C *(up to inner sheath only)*

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

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 *M* *(kg/km)*		
				LU	LUHF3	NM
12-72	6	2.5	15.4	265	269	214
84-96	8		17.5	316	323	257
108-144	12		20.6	425	433	354
156-216	18		20.6	424	432	351

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	2000	10 x Cable Diameter	15 x Cable Diameter	5000	30	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	1400 x 800	N/A	2*M* + 183	N/A	1	N/A
84-96	1400 x 800	N/A	2*M* + 183	N/A	1	N/A
108-144	1700 x 915	N/A	2*M* + 313	N/A	*non-palletized*	N/A
156-216	1700 x 915	N/A	2*M* + 313	N/A	*non-palletized*	N/A

‡Refer to nominal cable weight for *M*.

PART NUMBER CONFIGURATOR

a - b - S - c - W - d_1 - STA - d_2 - 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: HFOM4S96WLSTALU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom

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