Twin-Sheath Steel-Tape Armored Unitube Cables

Datasheet: GD102221v6

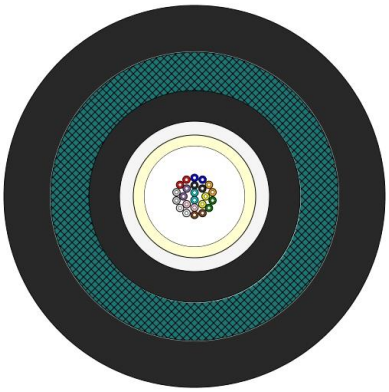
APPLICATION

Leviton Twin-Sheath 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 Twin-Sheath 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
- Corrugated steel tape armor for superior mechanical crush and impact resistance and optimum rodent protection
- Twin-sheath design offers additional mechanical protection and installation options
- 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
- CE and UKCA marked for CPR
- Included in the Leviton 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*



GFOM4UNI24LSTALU-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	OS1a/OS2	OS1a/OS2	OS1a/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	Nom. Tube Diameter *(mm)*	Nom. Cable Diameter *(mm)*	Nom. Cable Weight *(kg/km)*		
			LU	LUHF3	NM
2-12	2.9	11.4	158	162	126
16-24	4.0	12.4	182	186	145

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	5000	20	5

TEMPERATURE PERFORMANCE

Fiber Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
2-24	-40°C to + 70°C	-40°C to + 70°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
2-12	LU	1200 x 1200 x 690	1400 x 1400 x 800	453	815	1	1
	LUHF3	1200 x 1200 x 690	1400 x 1400 x 800	461	830	1	1
	NM	1200 x 1200 x 690	1400 x 1400 x 800	389	686	1	1
16-24	LU	1200 x 1200 x 690	1400 x 1400 x 800	500	908	1	1
	LUHF3	1200 x 1200 x 690	1400 x 1400 x 800	509	925	1	1
	NM	1200 x 1200 x 690	1400 x 1400 x 800	426	761	1	1

PART NUMBER CONFIGURATOR

a - **b** - UNI - **c** - **d**$_1$ - STA - **d**$_2$ - 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: GFOM4UNI24LSTALU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom