

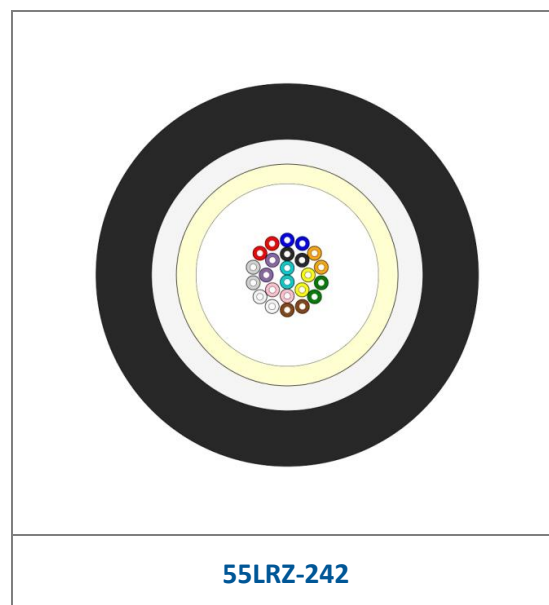
APPLICATION

The LRZ Duct Grade Unitube Cable family offers up to 24 fibers in a compact cable construction. The range is lighter and smaller than Multi Loose Tube alternatives and offers a robust solution capable of withstanding standard installation practices.

The LRZ Grade Unitube Cables are suitable for internal/external duct and internal cable tray installations in building and campus backbone applications.

FEATURES AND BENEFITS

- 2-24 Fiber Counts - color coded according to TIA-598-C
- Customizable Fiber Selection - Single-Mode, Multi-Mode 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 and basic rodent protection
- Halogen free, flame retardant low smoke HFFR-LS jacket
- Included in the Leviton 25 Year System Warranties when used in conjunction with Leviton fiber connectivity. System warranties are available for qualified projects installed by certified contractors.



STANDARDS

Applicable Cable Standards:	ISO/IEC 11801, IEC 60794
Test Standards:	IEC 60794-1-21 and IEC 60794-1-22
Water Penetration:	IEC 60794 -1-22-F5C

FIBER IDENTIFICATION

Fiber Identifier*	SM	50	5L	55
IEC 60793 Reference	2-50-B1.3	2-10-A1a.1	2-10-A1a.2	2-10-A1a.3
ITU-T Recommendation	G.652.D	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS2	OM2	OM3	OM4

MATERIAL IDENTIFICATION

Material Description	HFFR-LS
Flammability Rating	IEC 60332-1-2
Smoke Emission	IEC 61034-1 & 2
Acid Gas Emission	IEC 60754-2
Color	Black

LRZ Optical Duct Grade Unitube Cables

Datasheet: GD102847v2



PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-12	2.9	5.8	37
16-24	4.0	6.9	48

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 $\pm 180^\circ$)
2-12	442	1000	10 x Cable Diameter	15 x Cable Diameter	1500	3	5
16-24	569						

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	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
2-12	915 x 460	915 x 460	94	168	2	2
16-24	915 x 460	1070 x 510	118	223	2	2

PART NUMBER CONFIGURATOR

a - LRZ - b - c

a = Fiber Identifier
e.g. "50" for OM2 fiber

b = 2-digit fiber count
e.g. "04" for 4 fiber cable

c = Length
e.g. "2" for 2km Spool

Example part number: 50LRZ-042.

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

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