OLZ Optical Glass Yarn Armoured Unitube Cables

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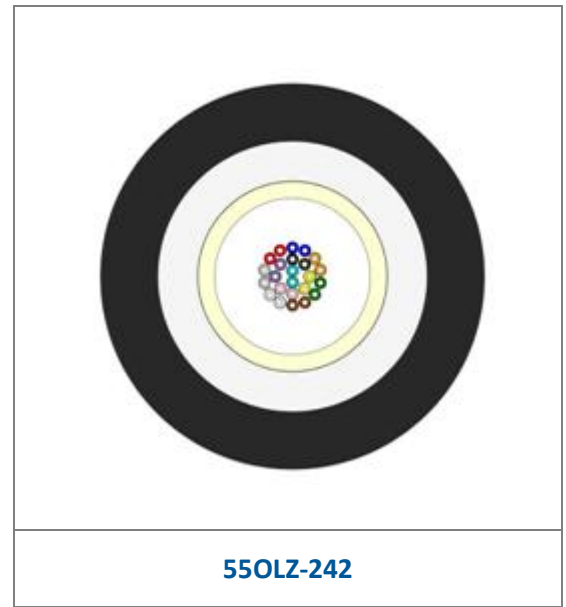
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APPLICATION

The OLZ Glass Yarn Armoured Unitube Cable family offers up to 24 fibres in a compact cable construction. The range offers enhanced rodent protection and mechanical properties over the Duct Grade Unitube product range.

The OLZ Glass Yarn Armoured Unitube Cables are suitable for internal/external duct and internal cable tray installations in building and campus backbone applications.

FEATURES AND BENEFITS

- 2-24 Fibre Counts - colour coded according to TIA-598-C
- Customisable Fibre 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 Armouring - to offer higher strength and enhanced rodent protection
- Halogen free, flame retardant low smoke HFFR-LS jacket
- Included in the Leviton and Brand-Rex 25 Year System Warranties when used in conjunction with Leviton or Brand-Rex fibre connectivity. System warranties available for qualified projects installed by certified contractors.

55OLZ-242

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

FIBRE IDENTIFICATION

Fibre 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
Colour	Black

PHYSICAL CHARACTERISTICS

Fibre Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-12	2.9	7.4	63
16-24	4.0	8.1	73

MECHANICAL PERFORMANCE

Fibre 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°)
2-12	628	2800	10 x Cable Diameter	15 x Cable Diameter	2000	5	5
16-24	736						

TEMPERATURE PERFORMANCE

Fibre 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

PRINT LEGEND

Example print legend:

[Length Mark]m LEVITON 55OLZ-242 BRAND-REX GFOM4UNI24RRLU LSZH 24 FIBRE 50/125 OM4 MADE IN UK [ID number] [Week/Year]

PACKAGING INFO

Fibre 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	1070 x 510	148	357	2	2
16-24	915 x 460	1070 x 510	168	323	2	2

PART NUMBER CONFIGURATOR

$$\underline{a} - OLZ - \underline{b} - \underline{c}$$

a = Fibre Identifier
e.g. "**SM**" for OS2 fibre

b = 2 digit fibre count
e.g "**08**" for 8 fibre cable

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

Example part number: SMOLZ-082.

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*"Brand-Rex is **dedicated** to **designing**, **developing** and **manufacturing***
*sustainable **high performance** structured cabling and speciality **cabling solutions**"*

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