



**Product:** [GUXWA12](#) 

Indoor/Outdoor Distribution Steel Wire Armour 12 Fibers G657A1-OS2

## Product Description

Universal (Indoor/Outdoor) Steel Wire Armour Mini Breakout Rodent Protection Tight Optical Cable 12 x 9/125-G657A1-OS2 A/I-VQ(ZN)H(SR)H

## Technical Specifications

Construction Type:	Distribution
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## Product Overview

Environmental Space:	Indoor/Outdoor - Euroclass B2ca
Suitable Applications:	For outdoor and indoor use in structured (data) wiring systems such as industrial backbone, campus backbone, building backbone (riser) and/or horizontal cabling. For outdoor and indoor use in networks for industrial, telecom, cable TV and/or broadcast. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM.

## Construction

### Fiber Cable Construction

Fiber Type	Fiber Grade acc. ITU-T	Fiber Count
OS2	G657A1	12

Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua.
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Red, Natural, Yellow, Blue, Green, Violet, Brown, Black, Orange, Aqua, Pink, White.

### Buffer Specification

Fiber Type	Buffer Construction	Buffer Material	Buffer Diameter
OS2	Tight	LSZH - Low Smoke Zero Halogen	0.9 mm

Cable Core Water Tight:	Yes
Cable Core Water Blocking:	Waterblocking Glass Yarns
Bulk Cable Weight:	332 kg/km

## Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Steel Wire
Material:	LSZH - Low Smoke Zero Halogen

### Outer Jacket Material

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen	14.0 mm	1

## Optical Characteristics

Fiber Core Diameter:	9 µm
Max Attenuation at 1310 nm:	0.50 dB/km
Max Attenuation at 1550 nm:	0.30 dB/km

## Mechanical Characteristics

### Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
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Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	268 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	201 mm	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	3230 N (726 lbf)	IEC 60794-2-20
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	20 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	18 kN/m	IEC 60794-2-20

Temperature Range

Operating Temp Range:	-30 °C to +70 °C
Installation Temp Range:	-5 °C to +50 °C
Storage Temp Range:	-30 °C to +70 °C

Standards

UL Rating/Flame Test:	Non-UL Rated
IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-22
CPR Euroclass:	B2ca-s1,d1,a1
REACH:	Compliant
IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GUXWA12.012100	Black	2,100 m

Update and Revision:	Revision Number: 0.78 Revision Date: 07-03-2020
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