Part Number: GIBTA12

Indoor Breakout 12 Fibers G657A1-OS2

Product Description

Indoor Breakout Tight Optical Cable 12 x 9/125-G657A1-OS2 I-V(ZN)HH

Technical Specifications

Construction Type:	Breakout

Product Overview

Environmental Space:	Indoor - Euroclass Cca
Suitable Applications:	Structured (premises) wiring systems: building backbone (riser) and/or horizontal cabling (Fibre To The Desk). Support all computer network applications such as FDDI, Gigabit Ethernet and ATM Easy to install in ducts, tunnels and trenches.

Construction

Fiber Cable Construction

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

Fiber Color Coding:	TIA coding (Gxxxxxx.T): Blue
Fiber Color Coding 2:	Europe coding (Gxxxxxx.0): Yellow

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
Bulk Cable Weight:	90 kg/km

SubUnit Specifications

Number of Active Subunits:	12
Number of Subunit Positions:	0
Fibers Per Subunit:	1
SubUnit Diameter:	2.1 mm
SubUnit Waterblocking:	Waterblocking Aramid Yarns

Jacket Specifications

Number of Jackets:	Single Jacket
Type of Armor:	Non-Armored

Outer Jacket Material

Material	Nominal Diameter	Ripcord
LSZH - Low Smoke Zero Halogen	10.5 mm	1

Optical Characteristics

Fiber Core Diameter:	9 µm
Max Attenuation at 1310 nm:	0.39 dB/km
Max Attenuation at 1550 nm:	0.24 dB/km

Mechanical Characteristics

Mechanical Tests

Description	Tested Standard	Requirement/Value	According to Family Specification
Cable Min. Bend Radius Installation (Short Term)	IEC 60794-1-21-E6	210 mm	IEC 60794-2-20
Cable Min. Bend Radius Operation (Long Term)	IEC 60794-1-21-E11	105 mm	IEC 60794-2-20
Cable Max. Tensile Strength Operation (Long Term)	IEC 60794-1-21-E1	870 N (196 lbf)	
Cable Max. Crush Resistance Installation (Short Term)	IEC 60794-1-21-E3	5 kN/m	IEC 60794-2-20
Cable Max. Crush Resistance Operation (Long Term)	IEC 60794-1-21-E3	3 kN/m	IEC 60794-2-20

Temperature Range

Operating Temp Range:	-5 °C to +55 °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
ISO/IEC Flammability:	IEC 60332-1-2
Reaction to Fire - Bundle Flame Test:	IEC 60332-3-24
CPR Euroclass:	Cca-s1,d1,a1
REACH:	Compliant
ISO/IEC Compliance:	IEC 60794
EU Directive 2011/65/EU (ROHS II):	Compliant
UV/ Sunlight Protection:	yes

History

Variants

Item #	Color	Length
GIBTA12.002100	Yellow	2,100 m

Update and Revision:	Revision Number: 0.57 Revision Date: 10-09-2019