



**Product:** [NTZL12AA006YEA](#)

6F SM G652.D Fiber Optic - Tight Buffer - LSZH Jacket - Indoor IEC60332-1

### Product Description

6 optical fibers, Single Mode G652.D, 900µm LSZH tight buffer, stranded together with aramid yarn reinforcing, LSZH jacket for indoor applications-IEC 60332-1 rated

### Technical Specifications

#### Product Overview

Suitable Applications:	High degree of flexibility suitable for backbone, horizontal, inner-and inter-building installations; Excellent LSZH flame retardant performance for indoor application.
------------------------	--

#### Construction

##### Fiber Cable Construction

Fiber Type	Fiber Count
OS2, G.652.D	6

Fiber Color Coding:	TIA-598-D
---------------------	-----------

##### Buffer Specification

Buffer Construction	Buffer Material	Buffer Diameter
Tight	LSZH - Low Smoke Zero Halogen	900 µm

Bulk Cable Weight:	25.5 kg/km
--------------------	------------

#### Jacket Specifications

Number of Jackets:	Single Jacket
--------------------	---------------

#### Outer Jacket Specifications

##### Outer Jacket

Material	Nominal Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.1 mm

Color:	Yellow
--------	--------

#### Optical Characteristics

Fiber Core Diameter:	9 µm
Max. Attenuation at 1310 nm:	0.35 dB/km
Max. Attenuation at 1550 nm:	0.22 dB/km

#### Mechanical Characteristics

##### Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	102 mm
Cable Min. Bend Radius Operation (Long Term)	51 mm
Cable Max. Tensile Strength Installation (Short Term)	660 N (148 lbf)
Cable Max. Tensile Strength Operation (Long Term)	200 N (45 lbf)
Cable Max. Crush Resistance Installation (Short Term)	1000 N/100mm
Cable Max. Crush Resistance Operation (Long Term)	300 N/100mm

## Temperature Range

Operating Temp Range:	-20 °C to +60 °C
Storage Temp Range:	-20 °C to +60 °C

## Standards

IEC Flammability:	IEC 60332-1
ISO/IEC Compliance:	IEC 60794-1
EU Directive 2011/65/EU (RoHS 2):	Compliant
UV/ Sunlight Protection:	No

## History

Update and Revision:	Revision Number: 0.30 Revision Date: 04-08-2022
----------------------	---

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.