



**Product:** [LF50106ASE](#) 

**BELDEN INDUSTRIAL ETHERNET CAT6A SHIELDED S/FTP 4PR 24AWG/7 FLEXIBLE CABLE ROHS**

## Product Description

BELDEN INDUSTRIAL ETHERNET CAT6A SHIELDED S/FTP 4PR 24AWG/7 FLEXIBLE CABLE ROHS

## Technical Specifications

### Product Overview

Suitable Applications:	Ethernet: 10Base-T, 100Base-TX, 1000Base-T, 10GBase-T
------------------------	---

### Construction Details

#### Conductor

Size	Material
24 AWG	BC - Bare Copper

#### Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	1.40 mm (0.0551 in)	White & Blue, White & Orange, White & Green, White & Brown

#### Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	60%
Tapes (Each Pair)	Bi-Laminate (Alum+Poly)	100%

#### Outer Jacket

Material	Nom. Diameter
TPE - Thermoplastic Elastomer	8.4 mm (0.33 in)

### Electrical Characteristics

#### Electricals

Max. Conductor DCR	Nom. Characteristic Impedance
95 Ohm/km (29 Ohm/1000ft)	100 Ohm

### Mechanical Characteristics

#### Temperature

Operating
-40°C To +80°C

#### Bend Radius

Installation Min.
150 mm (5.9 in)

### Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	FT2, IEC 60332-1-2

Data Category:	Category 6A
ISO/IEC Compliance:	IEC 11801
European Halogen Free Standards:	IEC 60754-1 - Halogen Amount = Zero
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)

## History

Update and Revision:	Revision Number: 0.2 Revision Date: 05-11-2026
----------------------	--

© 2026 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.