Belden



Product: FI1M144A1

Indoor Plenum OM1 Mini-Distribution 144F Armor 2mm SubUnits

Product Description

FX Indoor OM1 Mini-Distribution 144 Fibers OFCP Aluminum Interlocked Armor Sub-Units (2.0MM) Orange Jacket

Technical Specifications

Product Overview

Suitable Applications:	Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking

Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 µm
Fiber Diameter:	250 µm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Diameter:	0.078 in (2.0 mm)
Fiber SubUnit Strength Members:	Aramid yarns
Central Strength Member Type:	Upjacketed GRP

Inner Jacket Specifications

Inner Jacket Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Color:	Orange
Number of Inner Jacket Ripcords:	2

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.723 (18.4)
Outer Jacket Color:	Orange
Outer Jacket Ripcord:	2

Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	670 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	440 N/cm

Temperature Range

Installation Temperature Range:	0C to +60C
Operating Temperature Range:	0C to +70C
Storage Temperature Range:	-40C to +70C

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCP, FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

History

Update and Revision:	Revision Number: 0.87 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FI1M144A1	Orange	Reel	612825287544

© 2025 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.