



A Furukawa Company

FlightLinx® 50 μ m OM3 Fiber Optic Cable

P/N: C24712



Overview

With more than 35 years of experience manufacturing fiber optic products for the aerospace and defense markets, OFS is proud to offer a wide range of specialty solutions that meet stringent industry standards. We work to help ensure optimal quality, reliability, and safety to streamline and facilitate complex, sensitive operations.

OFS FlightLinx Bend Optimized Single-mode, Multimode fiber optic cables are designed for use in commercial aircraft. FlightLinx cables meet or exceed requirements of ARINC 802 for tight buffered cables used in commercial aircraft.

Compatible with connectors and/or termini designed for tight jacket construction.

Typical Applications

Display Systems

In-Flight Entertainment Systems

In-Flight Networking Systems



A Furukawa Company

FlightLinx® 50 µm OM3 Fiber Optic Cable

P/N: C24712

Product Specifications	
Product Description	FlightLinx 50 µm OM3 Fiber Optic Cable
Physical Characteristics	
Cable Construction	Multimode Graded-Index Simplex
Fiber Core Diameter	50 ± 3 µm
Cladding Diameter	125 ± 1 µm
Coating Diameter	400 ± 25 µm
Coating Material	Silicone
Buffer Diameter	900 ± 50 µm
Buffer Material	Black PFA
Outer Cable Diameter	1.8 ± 0.1 mm
Cable Weight	≤ 4.0 kg/km
Outer Jacket Material	PFA
Outer Jacket Color	Light Purple
Optical Characteristics	
Attenuation @ 1300 nm	≤ 3.0 dB/km
Attenuation @ 850 nm	≤ 5.0 dB/km
Bandwidth @ 1300 nm	≥ 500 MHz-km
Bandwidth @ 850 nm	≥ 2000 MHz-km
Numerical Aperture	0.200 ± 0.015
Mechanical and Environmental	
Installation Load (Maximum)	19.3 lb. (86 N)
Operating Load (Maximum)	9.7 lb. (43 N)
Minimum Bend (Installation)	25 mm
Minimum Bend (Operating)	8 mm
Operating Temperature	-55 to +200 °C
Storage Temperature	-55 to +85 °C
Flammability: FAR 25.869	Extinguish Time: 0 Seconds Max Burn Length: < 1.4 inches
Smoke Density	Ds @ 20 Minutes: <23.5
Order by Part Number	C24712

NOTE: The operating temperature ranges are general guidelines. Consult with our Technical Sales department to determine the optimal coating and jacketing material for your specific application. 1.860.678.6636.

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



Copyright © 2021 OFS Fitel, LLC.
All rights reserved, printed in USA.

OFS Marketing Communications
Date: 08/21



FlightLinx is a registered trademark of OFS Fitel, LLC. OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.