Rigid Industrial IP68 Duplex Multimode Fiber Coupler (LC/LC) with Dust Cap, 10G Ethernet, TAA

MODEL NUMBER: **N455-BC01-IND**



Connects 10G Ethernet fiber optic equipment in industrial environments that require protection against dust, debris and moisture.

Features

LC/LC Fiber Coupler Recommended for Outdoor or Harsh Outdoor Environments This duplex multimode LC/LC fiber coupler lets you connect 10 Gb Ethernet fiber networks in outdoor applications and other areas where protection from harsh elements is essential, such as factories, warehouses, recycling plants, machine shops and other dusty environments. It inserts into an industrial-grade wall plate or surface-mount box to create a watertight seal. An included dust cap protects the coupler from dust, debris and moisture when not in use.

IP68 Rating Denotes Resistance to Dust and Water The coupler is 100% protected against dust and able to endure immersion in 1.5 meters of water for up to 60 minutes* with no damage or decline in performance, making it ideal for basement applications. For applications that require IP68 protection, use the coupler with a N206-SB01-IND surface-mount box and N820-Series duplex multimode fiber cabling. If only IP44 protection against splashing water from all directions is required, pair the coupler with the N820-Series cable and an N206-FP01-IND, N206-FP02-IND or N206-FP04-IND metal wall plate (all sold separately).**IP68 rating of water resistance in depths up to 1.5 m for 60 minutes is based on manufacturer's guarantee. Standard IP68 rating is 1.5 m for 30 minutes.*

Highlights

- Built to protect 10G fiber LC/LC connections in harsh indoor and outdoor environments
- Resists dust and endures immersion in 1.5 m of water up to 60 min.*
- Low insertion loss of >0.10 db ensures a strong signal through your network
- Compliant with cabling, wall plates and surface-mount boxes

Applications

- Connect 10G fiber Ethernet networks in factories, warehouses, recycling plants, machine shops and other environments prone to dust or water
- Provide connectivity in outdoor environments susceptible to rain, such as a stadium or outdoor arena

Package Includes

- N455-BC01-IND IP68 Duplex Multimode Fiber Coupler (LC/LC)
- Dust cap

Specifications

OVERVIEW	
UPC Code	037332252784
Technology	Multimode
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (FEMALE)
Side B - Connector 1	LC DUPLEX (FEMALE)

PHYSICAL	
Color	Black
Unit Dimensions (hwd / in.)	1.440 x 1.290 x 0.870
Unit Dimensions (hwd / cm)	3.65 x 3.28 x 2.22
Unit Packaging Type	Polybag
Unit Weight (lbs.)	0.0551
Unit Weight (kg)	0.02
COMMUNICATIONS	
Wavelength	850nm
Insertion Loss	0.2 dB Maximum
FEATURES & SPECIFICATIONS	
Optical Port	LC
STANDARDS & COMPLIANCE	
Protection Rating	IP68
Product Compliance	RoHS; REACH; Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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