

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

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 a Tripp Lite 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 Tripp Lite 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 Tripp Lite 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



ISOLATION	
Insertion Loss	0.2 dB Maximum
PHYSICAL	
Color	Black
Unit Dimensions (hwd / cm)	3.65 x 3.28 x 2.22
Unit Dimensions (hwd / in.)	1.44 x 1.29 x 0.87
Unit Packaging Type	Polybag
Unit Weight (kg)	0.02
Unit Weight (lbs.)	0.0551
CONNECTIONS	
Side A - Connector 1	LC DUPLEX (FEMALE)
Side B - Connector 1	LC DUPLEX (FEMALE)
FEATURES & SPECIFICATIONS	
Technology	Multimode
Wavelength	850nm
Optical Port	LC
CERTIFICATIONS	
Certifications	Tested to RoHS, REACH, IP68 (water resistant up to 1.5m depth for 60 minutes based on manufacturer guarantee)
Protection Rating	IP68
WARRANTY	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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<https://www.tripplite.com/products/product-certification-agencies>