

Industrial Connector System

Combine sturdy cables and connectors with heavy-duty wallplates for superior-strength industrial connections.



FEATURES

- » Ideal for severe industrial environments.
- » Patch cords feature CAT6 or CAT5e PVC-protected connectors.
- » Connector housings hold CAT6 or CAT5e connectors.
- » Connector housings snap easily into the industrial wallplates or a secure NEMA 3R BOX.

OVERVIEW

Harsh industrial environments require equipment that can stand up to severe conditions such as high or low temperatures, industrial vibration from nearby machines, dust, oil, and water. We've got the cables, connector housings, and wallplates that pass the stress test.

Constructed of stainless steel, the Industrial Wallplates work with the Industrial Panel-Mount Connector Housings to provide a complete cable access point for the Industrial Patch Cords. Once you assemble the connector housings into the wallplates, attach the CAT6 or CAT5e Industrial Patch Cords to the connector assembly. Or install the connectors into the Secure NEMA 3R Box. It's enclosed to protect connector housings from severe environmental conditions.

The connector housings hold CAT6 or CAT5e connectors (not included) that adapt to noisy or rugged environments.

The industrial wallplates guard the connectors from corrosion, destructive cleaning agents, and oil. The NEMA box features an enclosed sliding cover to protect your connectors.

To complete your installation, you'll need heavy-duty patch cords. Ours are available for either Category 6 or Category 5e applications. They're perfect for tough environments. Flexible double-jacketed PVC casings and strain relief enable the cables to hold up even in the most adverse conditions.

The cables are available in a variety of lengths. Constructed of stranded 24 AWG wire, the patch cords are terminated with industrial-to-industrial connectors or industrial-to-standard RJ-45 connectors. Cables and connectors comply with T568A and T568B standards, as well as CAT6 or CAT5e requirements.

TECH SPECS

EVNSLI01–EVNSLI02, EVNSLI05–EVNSLI06:

Attenuation — EVNSLI05–EVNSLI06: 49.3 dB/100 m at 500 MHz;

EVNSLI01–EVNSLI02: 24.2 dB/100 m at 350 MHz

Cable Diameter — 1" (2.54 cm)

Cable Type — 4-pair, stranded twisted-pair copper in a double PVC jacket

Conductor Gauge — 24 AWG

Impedance — 100 ±15 ohms

Mutual Capacitance (Maximum) — 56 pF/100 m (nominal)

Standards — EVNSLI05–EVNSLI06: TIA/EIA-568-B.2-1;

EVNSLI01–EVNSLI02: TIA/EIA-568.B.2

Wiring — T568B

FMIO01–FMIO02, FMIO04–FMIO05, FMIO10–FMIO11:

Compliance — UL® Listed, cUL listed, CSA

Environmental Protection — Ingress Protection: IP67 (dust), IP66 (water);

Corrosion protection: Resistant to most common chemicals, cleaning agents, and oil;

UV: UV resistant

Housing — PBT, UL 94V-0

IDC 110 Contacts — Phosphor bronze with 100 micro-inch tin lead 60/40 plating over nickel underplating

Mating Cycles — 750 minimum

Mechanical Vibration — Frequency range: 10–500 Hz;

Acceleration: 5 g

Nose Contacts — Beryllium copper with a minimum of 50 micro-inch gold plating over nickel underplating

Temperature Tolerance — 14 to 158°F (-10 to +70°C)

WPIO01–WPIO02, WPIO06–WPIO07:

Material — Plate: Smooth metal 302/304, super stainless steel 17–19%; chrome, 8% nickel;

Gasket: UL closed-cell foam; Mounting screws: 302/304 stainless steel (18% chromium, 8% nickel)

Size — WPIO01: 4.5"H x 2.8"W (11.4 x 7.1 cm);

WPIO02, WPIO06–WPIO07: 4.5"H x 4.6"W (11.4 x 11.7 cm)

WPIO55:

Compliance — UL 94V-0 rated flame-retardant PC/ABS; UL and cUL Listed

Construction — NEMA 3R rated weatherproof plate



EVNSLI05-0003

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.

Item	Code
CAT5e Industrial Patch Cords, 350-MHz, Stranded, 24 AWG, PVC, Gray	
Industrial to Industrial	
3-ft. (0.9-m)	EVNSLI01-0003
5-ft. (1.5-m)	EVNSLI01-0005
7-ft. (2.1-m)	EVNSLI01-0007
10-ft. (3.0-m)	EVNSLI01-0010
15-ft. (4.6-m)	EVNSLI01-0015
20-ft. (6.1-m)	EVNSLI01-0020
Industrial to RJ-45 with Snagless Boot	
3-ft. (0.9-m)	EVNSLI02-0003
5-ft. (1.5-m)	EVNSLI02-0005
7-ft. (2.1-m)	EVNSLI02-0007
10-ft. (3.0-m)	EVNSLI02-0010
15-ft. (4.6-m)	EVNSLI02-0015
20-ft. (6.1-m)	EVNSLI02-0020
CAT6 Industrial Patch Cords, 500-MHz, Stranded, 24 AWG, PVC, Gray	
Industrial to Industrial	
3-ft. (0.9-m)	EVNSLI05-0003
5-ft. (1.5-m)	EVNSLI05-0005
7-ft. (2.1-m)	EVNSLI05-0007
10-ft. (3.0-m)	EVNSLI05-0010
15-ft. (4.6-m)	EVNSLI05-0015
20-ft. (6.1-m)	EVNSLI05-0020
Industrial to RJ-45 with Snagless Boot	
3-ft. (0.9-m)	EVNSLI06-0003
5-ft. (1.5-m)	EVNSLI06-0005
7-ft. (2.1-m)	EVNSLI06-0007
10-ft. (3.0-m)	EVNSLI06-0010
15-ft. (4.6-m)	EVNSLI06-0015
20-ft. (6.1-m)	EVNSLI06-0020
Industrial Panel-Mount Connector Housings	
CAT6	FM1001
CAT5e	FM1002
CAT5e Shielded	FM1004-R2
F-Type	FM1011
In-Line CAT5e Industrial Coupler Connector	FM1005
To cover a housing without a cable connected to it, order...	
Industrial Panel-Mount Connector Cover	FM1010
Industrial Wallplates, Stainless	
1-Gang, 1-Port	WP1001
1-Gang, 2-Port	WP1002
2-Gang, 2-Port	WP1006
2-Gang, 4-Port	WP1007
Secure Industrial NEMA 3R Box with Slide-Up Cover	
1-Gang, Vertical	