

DuraPort® Industrial Cat 6A Shielded Patch Cords

APPLICATION

DuraPort industrial Cat 6A Shielded Patch Cords provide IP67-class protection to safeguard your connectivity from ingress of dust and water conditions often found in the industrial environment. They are ideal for use in a Cat 6A shielded system in healthcare, manufacturing, casinos, and other environments where EMI and alien crosstalk may be a concern.



SPECIFICATION

Industrial Plug-to-Industrial Plug and Industrial Plug-to-RJ-45 Plug patch cords shall be IP67 rated per IEC 60529. The patch cords shall be stranded tinned S/FTP, with an 8-position modular plug on each end. The cords shall be available in lengths of 3, 5, 7, 10, 15, 20, 35, and 50 feet. The cords shall be compliant with ANSI/TIA-1005 and ANSI/TIA-568.2-D. All plastics used in construction of the connector bodies shall be fire retardant with a UL flammability rating of 94V-0.

DESIGN CONSIDERATIONS

- ANSI/TIA channel performance limits the total length of work area and equipment room cords to 32 feet (ten meters) per ANSI/TIA-568.2-D or 88.6 feet (27 meters) in a MUTOA application
- Designed for use with DuraPort Industrial Connector Housings and QuickPort connectors to provide IP67 protection against dust and water

FEATURES

- IP67-rated Environmental Sealing (dust/water protection)
- Industrial Plug o-ring and gasket provides dual seal feature
- Withstands ingress of water during wash down
- Sealing nut provides strain relief and seal to prevent contamination from liquids and dust
- Patch cords available in Industrial Plug-to-Industrial Plug and Industrial Plug-to-RJ-45 Plug (black color)
- Available in eight standard lengths (custom lengths available)
- Twist-lock design for faster installation and changes
- Encapsulated RJ-45 design protects integral components
- Patented design
- Cat 6A S/FTP cable — 26-gauge stranded
- PoE capability up to 32-cable bundle for 100 watts at 45° C ambient temperature

STANDARDS COMPLIANCE

- Complies with ANSI/TIA-1005 and ANSI/TIA-568.2-D
- cULus Listed (UL 1863, CAN/CSA-C22.2 No. 182.4-1990), IEC 60529
- PoE standards: IEEE 802.3af, 802.3at, 802.3bt, Cisco UPoE, and Power over HDBaseT™ (PoH) applications up to 100 watts

PHYSICAL SPECIFICATIONS

Ingress Protection:	IP67 (dust/water)
Temperature:	-40° C to 65° C (-40° F to 149° F)
Vibration:	Frequency Range 10-500HZ Acceleration 5g (operational) Mating Cycles: 750 minimum 0.283" (7.2mm)
Cable Diameter:	
Materials:	
Plug Housing	Polybutylene terephthalate (PBT), UL 94V-0
Cable Outer Jacket	Thermoplastic Elastomer
Gasket and O-Ring	Thermoplastic Elastomer
Connector Boot	Thermoplastic Elastomer

COUNTRY OF ORIGIN

Taiwan

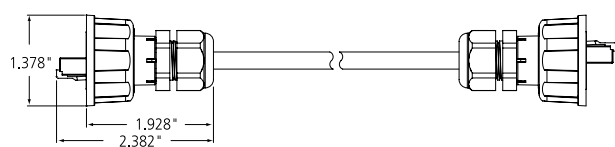
WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

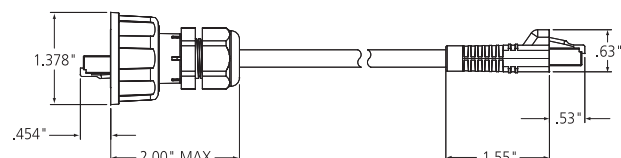
D6722-xxE, D6723-xxE

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



Industrial Plug-to-Industrial Plug



Industrial Plug-to-RJ45 Plug

D6722-xxE, D6723-xxE

ANSI/TIA-568-C.2 Cat 6A PATCH CORD REQUIREMENTS

TIA Minimum Requirements* (dB)

	@ 100MHz	@ 250MHz	@ 500MHz
1-Meter Patch Cord NEXT	47.0	39.3	28.2
2-Meter Patch Cord NEXT	46.4	38.9	28.4
5-Meter Patch Cord NEXT	45.4	38.1	29.0
Return Loss - All Lengths	18.0	14.0	9.5

1 Meter = 3.280 Feet, 2 Meters = 6.561 Feet, 5 Meters = 16.404 Feet

*NOTES:

Patch Cords shall meet requirements of all parameters from 1-500 MHz.
 Values in above table are only at specific frequencies and are for reference only.

CAT 6A SHIELDED DURAPORT INDUSTRIAL PATCH CORDS

Description	Industrial Plug-to-Industrial Plug Part No.	Industrial Plug-to-RJ-45 Plug Part No.
DuraPort Industrial Patch Cords, 3 feet	D6722-03E	D6723-03E
DuraPort Industrial Patch Cords, 5 feet	D6722-05E	D6723-05E
DuraPort Industrial Patch Cords, 7 feet	D6722-07E	D6723-07E
DuraPort Industrial Patch Cords, 10 feet	D6722-10E	D6723-10E
DuraPort Industrial Patch Cords, 15 feet	D6722-15E	D6723-15E
DuraPort Industrial Patch Cords, 20 feet	D6722-20E	D6723-20E
DuraPort Industrial Patch Cords, 35 feet	D6722-35E	D6723-35E
DuraPort Industrial Patch Cords, 50 feet	D6722-50E	D6723-50E



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