

Product: AX104501

10GX SHIELDED KEYCONNECT RJ45 COUPLER

Product Description

10GX Shielded RJ45 Coupler, Category 6A, KeyConnect, Gray

Technical Specifications

Product Overview

Suitable Applications:	BDN Shielded System 10GX, TIA Category 6A, 10GBASE-T, Support Power over Ethernet (up to 100W), Cisco UPOE (up to 60W) and Power over HDBase-T (up to 100W)

Physical Characteristics (Overall)

Overall Height:	0.889
Overall Width:	0.638 in
Depth:	1.516 in
Wiring Scheme:	T568A/B-T568A/B
Weight:	0.380 lbs

Connectors

Materials

Description	Material	Type
Front Connection	Flexible PCB with 50 µ inch Gold over Nickel	Flexible PCB
Rear Connection	Flexible PCB with 50u inch Gold over Nickel	Flexible PCB
Connector Body	Metal	

Electrical Characteristics

Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max Contact Resistance:	20 mOhm

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Storage Temperature Range:	-40°C to +70°C
Operating Temperature Range:	-10°C to +60°C

Mechanical Characteristics

Connector System Compatibility:	KeyConnect
Plug /Jack Compatibility:	RJ45
Termination Front Connection:	Mated Connection
Termination Front Connection Durability:	750 cycles
Termination Rear Connection:	Mated Connection
Termination Rear Connection Durability:	750 cycles
Connector/Hardware Retention:	20 lbs

Standards

Data Category:	Category 6A
TIA/EIA Compliance:	TIA 568.2-D, Category 6A - ISO/IEC 11801-1
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7

Applicable Environmental and Other Programs

Environmental Space:	Indoor
EU Directive 2002/95/EC (RoHS):	Yes
MII Order #39 (China RoHS):	EUP 50

Flammability, LS0H, Toxicity Testing

Safety Listing:	ACA, c(UL)us Listed

Related Part Numbers

Related Parts:	KeyConnect Shielded Modular Patch Panel, 10GX Shielded Patch Cord, 10GX Shielded Pre-Terminated Cable Assembly

History

Update and Revision:	Revision Number: 0.25 Revision Date: 09-02-2025

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.