5X6AFS48

CAT6A toolless 360° shielded RJ45 keystone connector

DESCRIPTION

5th-generation MMC connector technology, the 5X range is designed to be high-performance, modular, innovative, easy to use and of high quality. Benefiting from all-new compensation technologies, the 5X6AFS connector offers excellent NEXT margins. To meet all installation constraints, a unique rear clamp allows cable exit management on five axes while preserving the cable bend radius.

ADVANTAGES

- Modularity: Multi-output flange
- Cat 6A component-certified connector
- 35 year warranty
- 4PPoE IEC 60512-99-002 certified

MMC /ADALTRA

Updated: 1/02/2026

CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	5X6AFSx
Color	Metal
Connector Format	RJ45
Core Material	Zamak shielded body
Dimensions (W x D x h)	28 x 18 x 47 mm
Shielding	Full Shielded
Coding Type	Colour code 568 A et B
Max Compatible Conductor Diameter (mm)	145
Inserter Type	Wiring comb
Cover Material	Zamak
CAD Nature	Bronze + Platinum / Cu + SnPb 80µ
Contact Nature	Bronze, Nickel Platinum and Gold 1.2 µm
Grounding	Yes
Compatible Cable Type	Rigid
Compatible Gauge Type	AWG24 to AWG22
Cable Outlet Type	Multidirectional
Max Compatible Cable Diameter (mm)	9

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	> 1000 Vdc contact à contact
Admissible power	90 W
Contact resistance	< 20 m? IEC 60512-2-1 Test 2a
Operating voltage	< 72 Vdc
PoE type	IEC 802.3bt (4PPoE)
Electronic Compensation	Optimized multilayer PCB circuit

TRANSMISSION CHARACTERISTICS

Performance Category	Category 6A
Data Transmission Standard	EN 50173-1: 2018, EN 50173-2: 2018, TIA 568.2-D CAT6A

MECHANICAL CHARACTERISTICS

Insertion Cycle	RJ45 Plug: 750 cycles, RJ12 Plug >200 cycles
Locking Type	Slide locking + rear cable clamp

ENVIRONMENTAL CHARACTERISTIC

Independent lab certification	Yes

Updated: 1/02/2026

ADALTRA

ENVIRONMENTAL CHARACTERISTIC

IP rating	IP20
RoHS Compliance	RoHS compliant
Operating Temperature	-10°C à +60°C
Component Standard	IEC 60603-7-51

ADDITIONAL INFORMATION

System Warranty	35 years
Product Packaging	Box
Weight (Kg)	0.043