

AMP-CAT™

Armored Power-Over-Ethernet



PATENT PENDING



Nitrogen Pressurized System
Plenum™ 4 POE + 2 Port L2 Switch
SST 316L T/D Fittings™ for Environments
Power Over Ethernet CAT6 – 802.3af-B, 25W
SST 316L Armor 1 cm Diameter Flexible Conduit

PRELIMINARY

AMP-CAT™

PATENT PENDING

Armored Ethernet, Powered and N2 Pressurized 4 POE Port, 2 Backbone Port, Layer 2 Switch - 802.3af



The **AMP-CAT™** Powered Ethernet System is the best hardware for instrumentation and cameras in heavy equipment environments.

Secure, rugged and Nitrogen filled system is designed for a long life in tough conditions.

Made up of a Layer 2 Switch (Plenum™), Stainless Steel Endpoint Terminations (T/D Fittings™) and SST flexible conduit. Up to four Plenum™s can be daisy chained to create a twelve (12) POE Port Ethernet infrastructure.

AMP-CAT™ reduces cable by combining power, cameras, lighting, WiFi and Internet through a single CAT6.

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System Features:

- Armored CAT6 Ethernet Cabling
- Pressurized Dry Nitrogen @ 5psi
- 100/10Base-T 6 Port Switch
- 4 PoE 802.3af-B, 50VDC, 25W/Port
- Daisy Chain Up To Four Plenum™s
- 100 meter Armored Cable Lengths
- COM1, RS232
- Programmable Switch Control

Plenum™ Switch Housing:

- 6061-T6 ALU, Electro less Nickel
- MIL Circular Connector, ICD 700164
- 13cm w x 17cm d x 5cm ht
- 1.0 Kg
- 12cm x 16cm M4 Mounting Pattern
- 10-35 VDC 115W
- 6 Port Ethernet Switch
- 4 PoE 802.3af-B, 50vdc @ 25W
- Schrader Valve
- N2 Pressure Monitor

T/D Fitting:

- SST 316L Hardware
- Ocean Side or Stateroom
- RJ45 + Mechanical Support
- VoIP Phone System
- Safety and Security Cameras
- LED Lighting

Environmental:

- 40° to 85° C
- 3 gRMS, 5-1,000 Hz, Ran, 3 axis
- IP68
- Salt Fog (MIL-STD-810G.Method 509.5)
- Shipboard

Health & Security:

- N2 Pressure Loss Alert
- LED Built In Test Indicators

Certifications:

UL 1309, 1426	PENDING
IEEE 1580-2001	PENDING
FCC Part 15, Class B,	PENDING
CE	PENDING

Life:

- 2 Year Limited Warranty
- Extended Warranty to 5 Years



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AUTHORIZED INTEGRATOR & RESELLER

