

AMP NETCONNECT ETHERSEAL CONNECTIVITY SYSTEM

Bringing Ethernet and Structured Cabling to Non-Office Environments

AMP NETCONNECT EtherSeal Connectivity System

From the factory floor to the hospital room, Ethernet is the network type of choice. More and more TCP/IP applications running across Ethernet networks find their way into non-office and harsh environments. The AMP NETCONNECT EtherSeal Connectivity System will protect critical data communication against temperature and moisture extremes, dust, vibration, EMI noise and chemical exposure while providing protection against accidental disconnects.

Traditional Ethernet connectors and cables are being designed into environments that far surpass the environmental specification of the standard connectors found in offices. In some instances these traditional components require positive, secure locking of the connection beyond their physical design.



Ethernet is the de facto standard for any application that requires data transmission or acquisition. It is cost-effective and offers the speed, reliability and wide-spread acceptance needed for today's network applications. EtherSeal uses components compliant with existing cabling standards and adds additional benefits of mechanical performance, construction and secure mating. Combined, this system withstands rugged exposure to dust, noise, vibration, temperature extremes, chemical exposure and moisture required for use in harsh environments.

Conventional commercial connectivity systems are not an option in harsh environment applications. However, the non-commercial office, IP67 customer requires the same flexibility, cost base and availability of components. Other lack luster connector latching mechanisms used extensively in these environments are grossly obsolete. Threaded or bayonet type couplers do not provide visual and audible confirmation for positive mating. The AMP NETCONNECT EtherSeal Connectivity System not only offers compliance with existing standards and usability in harsh environments, but also the performance and reliability needed to secure networks for proposed and future applications.

BENEFITS

- ∴ *TIA and ISO Category 5e and IEC 60529 IP67 compliant*
- ∴ *Uses industrial grade materials*
- ∴ *Uses the same high-performance AMP NETCONNECT Category 5e components as standard product lines*
- ∴ *Complete Cat 5e cabling solution for both harsh and office environments*
- ∴ *Equipment interface receptacles available through Tyco Electronics*
- ∴ *Positive latching mechanism*
- ∴ *Push-On and Twist Off Mating Action*
- ∴ *Blind mating with Polarized Keying*
- ∴ *Tactile feedback that confirms full mating*
- ∴ *Eliminates accidental disconnects*



EtherSeal Category 5e Jack and Coupler Kits



- :: Category 5e and IP67 compliant
- :: Available for Shielded and Unshielded Systems
- :: Traditional 110 tool and toolless versions
- :: Front-loading into enclosures and outlets
- :: Push-On and Twist Off Mating Action
- :: Blind mate with Polarized Keying
- :: Tactile feedback confirms fully mated
- :: Optional Outlet Cap with tether available

Description	Fig.	Part Number
SL Series 110Connect Modular Jack Kit		
Unshielded	A	1479563-2
Shielded	B	1479564-2
SL Series Toolless Modular Jack Kit		
Unshielded	C	1479561-2
Shielded	D	1479562-2
SL Series In-Line Coupler Kit		
Unshielded	E	1479599-2
Shielded	-	1479600-2
Jack/Outlet Cap (includes Tether not shown)	F	1479591-2



EtherSeal Category 5e Plug Kits



- :: Category 5e and IP67 compliant
- :: Available for Shielded and Unshielded Systems
- :: Available for solid and stranded cable
- :: Push-On and Twist Off Mating Action
- :: Blind mate with Polarized Keying
- :: Tactile feedback confirms fully mated
- :: Optional Plug Cap with available tether

Description		Fig.	Part Number
Unshielded Plug Kit	Solid	A	1479583-2
	Stranded		1479584-2
Shielded Plug Kit	Solid	B	1479585-2
	Stranded		1479586-2
Plug Cap (includes Tether not shown)		C	1479592-2



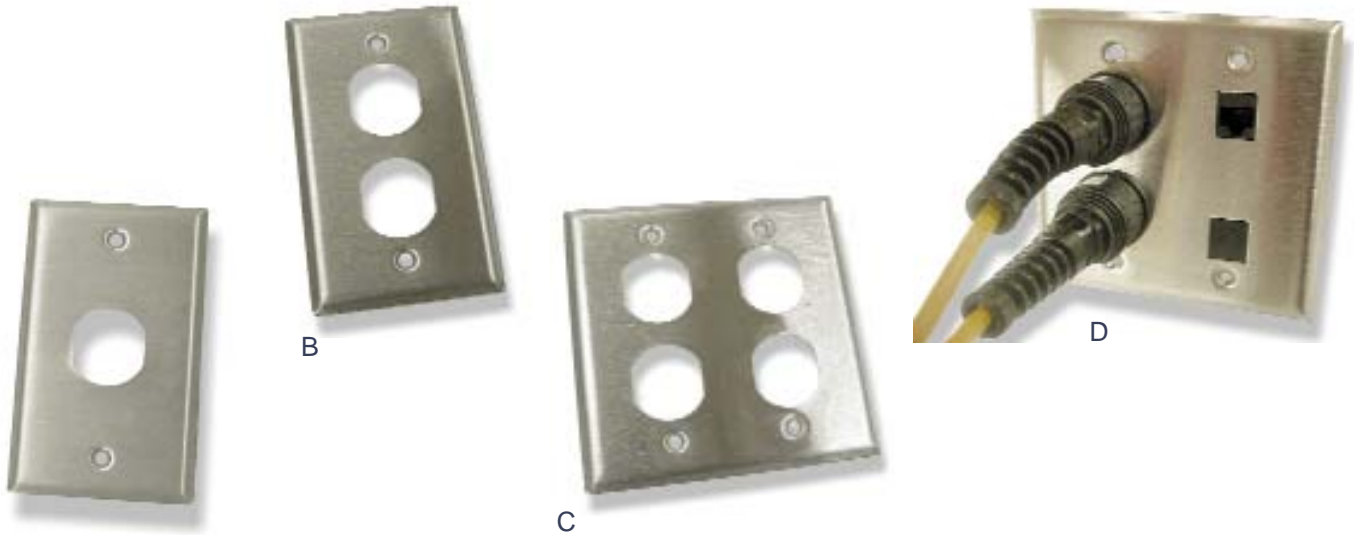
EtherSeal Stainless Steel Faceplate Kits



- :: Available in single and double gang
- :: Accepts EtherSeal Jack or Coupler Kits (Purchased separately)
- :: Sealing gasket options available
- :: Kit includes either two (for single gang) or four (for double gang) 6-32 1" screws

Description	Fig.	Part Number
Single Gang	1-Port	A 1479593-1
	2-Port	B 1479594-1
Double Gang	4-Port	C 1479595-1
	2-Ports/2-Ports	D 1479596-1 *

* Accepts two ports of EtherSeal Outlet Kits and two ports standard SL Series or 110Connect modular Jacks, SL Series Multimedia Jacks or SL Series or 110Connect Insert



A

B

C

D

EtherSeal Category 5e Cable Assemblies



- :: Category 5e and IP67 compliant
- :: Shielded and Unshielded cable assemblies available
- :: Utilizes EtherSeal, industrial grade Cat 5e cable
- :: Factory-terminated and tested for quality
- :: Both EtherSeal to EtherSeal and EtherSeal to standard modular plug versions available
- :: Push-On and Twist Off Mating Action
- :: Blind mate with Polarized Keying
- :: Tactile feedback confirms fully mated
- :: Optional Plug Cap with available tether

Description	Part Number
EtherSeal to EtherSeal	Unshielded 1479601-X
	Shielded 1479603-X
EtherSeal to Standard RJ-45 Modular Plug	Unshielded 1479602-X
	Shielded 1479604-X
Plug Cap with Tether	1479592-2

X= Denotes length in feet: -3= 3, -5= 5, -7= 7, 1- -0= 10, 1- -5 = 15



EtherSeal Category 5e Cable



- :: Meets or exceeds TIA/EIA and ISO Category 5e specifications
- :: Exceeds all requirements for Gigabit Ethernet
- :: Sunlight (UV) resistant for harsh environments
- :: Oil resistant, Level II
- :: Double jacketed - PVC
- :: CMR (Riser) rated
- :: Shielded and Unshielded - solid and stranded cables are available

Description

Part Number

CMR UL/NEC 4-Pair Count
Grey, 1000ft, Wooden Reels,
Solid Conductors

UTP	1499447-3
FTP	1499449-3
UTP	1499448-3
FTP	1499450-3

Stranded Conductors



In the U.S. 1-800-553-0938
Canada 905-475-6222
Mexico 525-729-0400
South and Central Americas 54-11-4733-2200
www.ampnetconnect.com
e-mail: networking.help@tycoelectronics.com

©Copyright 2003 Tyco Electronics Corporation. All rights reserved.
AMP, AMP NETCONNECT, EtherSeal, NETCONNECT and Tyco are trademarks. Other products, logos, and Company names mentioned herein may be trademarks of their respective owners.
1654790-5M-TE-PC-9/03 Printed in USA

tyco

Electronics