



**PRODUCT DESCRIPTION**

This breakout panel connects 48 E1/E2 RJ45 ports to four 25 pair cables via 50 pin Amplimite sockets. A bi-directional device requiring no external power. This product offers the following features:-

- convert to 25 pair cable
- mounts in standard 19" rack
- exceeds G.703 specification
- shielded construction
- RJ45 to 50 pin .050 D connector
- mount RJ45 or Amplimite to front
- gold plated contacts
- optional designation strips
- RoHS compliant
- mount recessed to ease cable entry
- zinc sealed, powder coated steel
- .050 50way mini Telco option available

**OPERATING CONDITIONS**

Impedance: 120 balanced twisted pair  
 Bit Rate: 2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code  
 Signal Level: 3V nominal peak-peak voltage per G.703  
 Working Temperature: -30°C to 75°C

**ELECTRICAL SPECIFICATIONS**

Insertion Loss: <0.10dB from 51kHz to 12.672MHz (2Mbit/s, E1) and (8Mbit/s, E2) in both directions  
 Return Loss: Exceeds G.703 by >18dB for 2Mbit/s and 8Mbit/s  
 Pulse Shape: Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s  
 Cross Talk: >65dB from 51kHz to 12.672MHz between channels (>60dB for adjacent Amplimite contacts)  
 Isolation Voltage: >250V DC

**MECHANICAL SPECIFICATIONS**

RJ45 Connector: Contacts: Phosphor Bronze, Plated Ni/Au  
 Moulding: PBT Glass Filled, Black  
 Shield: Brass, Plated Sn  
 Amplimite Connector: Contacts: Copper Alloy, Plated Ni/Au  
 Moulding: Thermoplastic, Black  
 Shield: Die Cast, Plated Ni  
 Panel: Steel, Zinc Sealed and Powder Coated Black

**ACCESSORIES**

Cable Assemblies:  
 Mounting Brackets: For 21" and 23" racks  
 Cable Management Kits: For 19", 21" and 23" racks

