



**ELECTRICAL**

Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair.  
 Bit Rates: 2Mbit/s and 8Mbit/s as ITU-T Recommendation G.703 Line Code.  
 Return Loss: 2Mbit/s exceeds G.703 requirements (>25dB @ 51 ~ 3072kHz)  
 8Mbit/s as per G.703 requirements.  
 Insertion Loss: <0.16dB for 2 Mbit/s service (51 ~ 3072kHz)  
 <0.3dB for 8Mbit/s service (211kHz ~12.672MHz)  
 Cross Talk: >80dB from 51kHz to 12.672MHz between 2 baluns mounted 20mm apart.  
 Pulse Shape: 2Mbit/s and 8Mbit/s as per G.703  
 Isolation Voltage: 250V DC for 1 minute between windings.  
 Signal Levels: 2.37V nominal peak voltage for 2Mbit/s and 8Mbit/s at the coaxial end as per G.703

**MATERIALS**

Outer Contact: Brass Alloy AS 1567 Type 385. Finish Cu/Ni  
 Insulator: PTFE  
 Inner Contact: Phosphor Bronze. Finish Cu/Ni/Au  
 Body and Nut: Brass Alloy AS 1567 Type 385. Finish Body Cu/Ni/Sn, Nut Cu/Ni  
 Outer Sleeve: Noryl Black  
 Rear Moulding: Acetel Black  
 Pin, Wire Wrap: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn

**COAXIAL CONNECTOR (75 ohm)**

BNC Series: To IEC 169-8.

**WIRE WRAP CONTACTS**

Post Dimensions: 1.15mm. SQ.  
 Finish: Tin plated

**ENVIRONMENTAL**

Working Temperature: -30 °C to 75 °C

**TERMINATION**

Panel Mounting: Spanner 16mm A/F.

