



**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 and 8Mbit/s as per G.703 requirements  
 Insertion Loss: <0.25dB @ 1.024MHz and <0.4dB from 0.1kHz to 10MHz  
 Cross Talk: >80dB from 0.1kHz to 10MHz between 2 baluns mounted 20.64mm apart  
 Pulse Shape: 2Mbit/s and 8Mbit/s as per G.703  
 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/Ni5b  
 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 and Base Moulding: Noryl Black  
 IDC Moulding: Polyester White

**COAXIAL CONNECTOR (75 ohm)**

BNC Series: To IEC 169-8.

**IDC CONTACTS**

Wire Size: 0.4mm to 0.65mm conductor diameter,  
 Insulation diameter 0.7mm to 1.4mm.  
 Finish: Silver plated  
 Mating Cycles: 50

**ENVIRONMENTAL**

Working Temperature: -10 °C to 75 °C

**TERMINATION**

IDC Termination: Krone Terminating Tool

