

### **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. 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 and Base Moulding:

Noryl Black
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

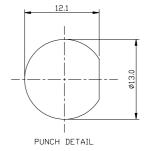
Mating Cycles: 50

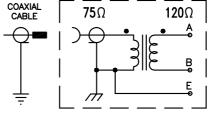
# **ENVIRONMENTAL**

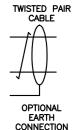
Working Temperature: -30 ℃ to 75 ℃

## **TERMINATION**

IDC Termination: Krone Terminating Tool Panel Mounting: Spanner 16mm A/F.







SCHEMATIC DIAGRAM