

**ELECTRICAL**

Matching Impedance: 75 ohm unbalanced coaxial to 120 ohm balanced twisted pair  
 Bit Rates: From 2Mbit/s up to 45Mbit/s as ITU-T Recommendation G.703 Line Code,  
 Return Loss: >10 dB in the frequency range of 51~102kHz;  
 >15 dB in the frequency range of 1~70MHz.  
 Insertion Loss: <0.5dB @ 1MHz; <0.4dB @ 4MHz; <0.6dB @ 17MHz  
 <0.9dB in the range of 0.2~70 MHz  
 Cross Talk: >60dB in the range of 1.0~70 MHz between 2 baluns mounted on DDF strip.  
 Pulse Shape: 2Mbit/s, 8Mbit/s, 34MHz and 45MHz 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.  
 1V nominal peak voltage for 34Mbit/s at the coaxial end as per G.703.  
 45Mbit/s conforms to its interface pulse mask in G.703.

**MATERIALS**

Body: Brass Alloy AS 1567 Type 385. Finish Cu/Ni  
 Insulator: PTFE  
 Inner Contact: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Au  
 Outer Sleeve and Base Moulding: Noryl Black  
 IDC Moulding: Polyester White

**COAXIAL CONNECTOR (75 ohm)**

BNC Series: To IEC 169-8.

**IDC CONTACTS**

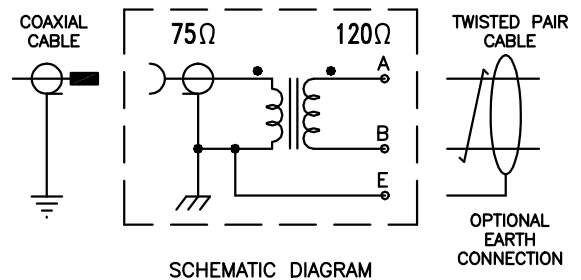
Wire Size: 0.4mm to 0.65mm conductor diameter,  
 Insulation diameter 0.7mm to 1.4mm.  
 Finish: Silver plated  
 Mating Cycles: 50

**ENVIRONMENTAL**

Working Temperature: -10 °C to 75 °C

**TERMINATION**

IDC Termination: Krone Terminating Tool



SCHEMATIC DIAGRAM