

**ELECTRICAL**

Matching Impedance: 75 unbalanced coaxial to 120 balanced twisted pair  
 Bit Rates: From 2Mbit/s up to 45Mbit/s as ITU-T Recommendation G.703 Line Code  
 Return Loss: >10dB in the frequency range of 51~102kHz  
 >15dB in the frequency range of 1~70MHz  
 Insertion Loss: <0.5dB @ 1MHz; <0.4dB @ 4MHz; <0.6dB @ 17MHz  
 <0.9dB in the range of 0.2~70MHz  
 Cross Talk: >60dB in the range of 1.0~70MHz 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**

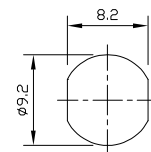
Coax Connector Outer Contact:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Au
Coax Connector Nut:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni
Coax Connector Insulator:	PTFE
Coax Connector Inner Contact:	Beryllium Copper. Finish Cu/Ni/Au
Balun Body:	Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn
Outer Sleeve and Base Moulding:	Noryl Black
IDC Moulding:	Polycarbonate White

**COAXIAL CONNECTOR (75 )**

1.6/5.6 Series: To IEC 169-13  
 Mating Cycles: 500

**IDC CONTACTS**

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



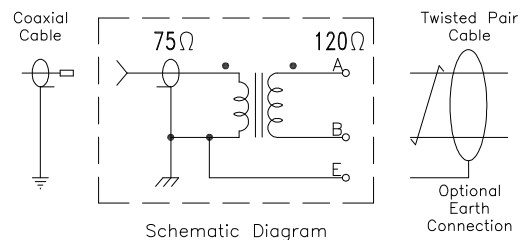
Punch Detail

**ENVIRONMENTAL**

Working Temperature: -10°C to 75°C  
 RoHS Compliance: To EU Directive 2011/65/EU

**TERMINATION**

IDC Termination: Krone Terminating Tool



Schematic Diagram

Optional Earth Connection