

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 15mm 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

Coax Connector Outer Contact: CuBe. Finish Cu/Ni/Au
 Coax Connector Body: Brass. Finish Cu/Ni
 Coax Connector Insulator: PTFE
 Coax Connector Inner Contact: Brass. Finish Cu/Ni/Au
 Balun Body & Rear Tube: Brass Alloy AS 1567 Type 385. Finish Cu/Ni5b
 Grounding Rings: Brass Alloy AS 1567 Type 385. Finish Cu/Ni/Sn
 IDC Contacts: CuSn6. Finish Sn5
 IDC Moulding & Stuffer Cap: Liquid Crystal Polymer

COAXIAL CONNECTOR

1.0/2.3 Series: To IEC 169-29

TWISTED PAIR CABLE DETAILS

Part Number	Cable Wire Size	Cable Entry Diameter
B13 043 060	0.5mm to 0.65mm conductor diameter, STP or UTP Insulation diameter 0.7mm to 1.5mm.	4.9mm Min.
B13 043 065	0.32mm to 0.4mm conductor diameter, STP or UTP Insulation diameter range 0.7mm to 1.5mm	2.6mm Min.

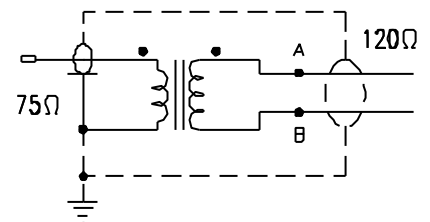
Mating Cycles: 20

ENVIRONMENTAL

Working Temperature: -30 °C to +75 °C

TERMINATION

IDC Termination: Spanners 10mm A/F, 2 off



SCHMATIC DIAGRAM