



Double BNC Plug (6" Cable) to RJ45 Shielded Jack



Description

These Transmit and Receive Balun Adapters provide a low cost solution for connecting a balanced 120 ohm twisted pair interface to an unbalanced 75 ohm coax network, or, vice versa. The Balun Adaptors provide isolation protection and impedance matching, enabling 75 ohm coaxial networks to interface with 120 ohm twisted pair equipment, bi-directionally, matching signal impedance and pulse shapes in accordance with the G.703 standard. Suitable for 2-8Mbit/s E1/T1 and E2/T2 data streams.

Features and Benefits

- Bi-Directional
- Plug & Go
- G.703 Compliant
- Low Insertion Loss
- No AC Power or Batteries Required
- 100% Tested

Specifications

75 ohm Connections	Dual Male BNC
120 ohm Connections	Shielded RJ45
Transmission Line	CCITT G.703 or G.704 (transparent)
Speed	2.048Mbit/s (E1) and 8.448Mbit/s (E2)
Cross Talk	>80dB from 0.1 to 12MHz between 2 baluns 15mm apart
Insertion Loss	Maximum 0.2dB at 2Mbit/s, 0.3dB at 8Mbit/s
Return Loss	-29dB at 2Mbit/s, -21dB at 8Mbit/s
Earthing - Grounding	Tx and Rx Ring to RJ45 / RJ48 Shield, via 0.1µF capacitor
Dimensions	N/A
Wiring Scheme	1 - Tx Tip, 2 - Tx Ring, 4 - Rx Tip, 5 - Rx Ring
Materials	Case - ABS UL-94V0 Fire retardant Plastic
Weight	0.2Kg
Warranty	5 Years, Parts and Labour
MTBF	Estimated 30 Years
Operating Temperature	0° to 50° C
Power Requirements	None
Harmonisation Code	8544 - 42 - 10

Part Numbers	Description
TK703CBA-BNCM	Dual Male BNC to RJ45 Balun Adaptor