

# BLN-3010, BLN-4010 BLN-5010, BLN-6010

## G.703 TDC Balan



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ITU-T G.703 Krone  
IDC balun

A balun is a type of electrical transformer that can convert electrical signals that are balanced to signals that are unbalanced and vice versa. They are also used to change impedance of twisted pair's 120 ohm to coaxial's 75 ohm. An E1 balun's function is generally to convert an E1 carrier signal from coaxial cable to UTP CAT-5 cable. The BLN4010 is miniature Balun designed for applications where space is restricted due to small dimensions or high densities. The fully shielded design is intended for panel mounting and IDC twisted pair termination is available in either standard BNC or 1.6/5.6 jack unbalanced connectors.

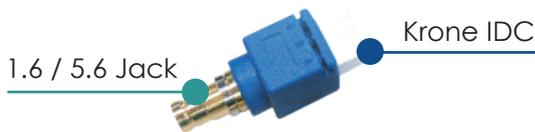
### Features

- Converts between 75 (coax)/120 (twisted pair) for E1 (2048 kbps)
- Works in either direction
- Body parts plated with minimum 5u Ni(Nickel)
- Contacts plated with minimum 1.25u Ni(Nickel) and 1.25uAu(Gold)
- Coax connectors with BeCu spring contacts and Teflon insulators
- Coaxial connector insertion cycle > 500
- IDC contacts Phosphor Bronze
- IDC connect/disconnect cycle > 20
- IDC to suit 24.26.28 AWG Copper wire
- Integrated cable anchor allows cable to be inserted after termination on IDC

### Specifications

<b>Data rate</b>	2048Kbps
<b>Unbalanced interface</b>	75 ohm impedance, 1xBNC or 1x 1.6/5.6 Jack
<b>Balanced interface</b>	120 ohm impedance, IDC

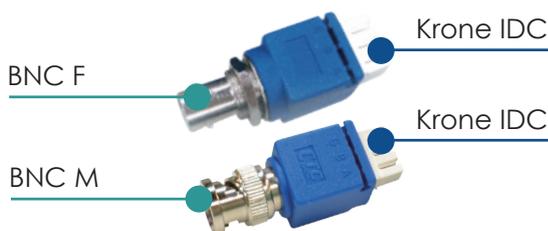
<b>Dimensions</b>	17 x 16 x 48 mm (D x W x H)
<b>Weight</b>	15g
<b>Compliance</b>	ITU G.703 standard pulse



**BLN-3010** : 1.6 / 5.6 Jack to Krone IDC



**BLN-5010** : BT43 to Krone IDC



**BLN-4010F** : BNC F to Krone IDC  
**BLN-4010M** : BNC M to Krone IDC



**BLN-6010** : SMZ to Krone IDC

### Ordering Information

Model Name	Description
BLN-3010	75 ~ 120 ohm Balun, 1.6/5.6 Jack to Krone IDC IDC Pin Assignment PA(-), PB(+), PG(G)
BLN-4010F	75 ~ 120 ohm Balun, BNC/F to Krone IDC IDC Pin Assignment PA(-), PB(+), PG(G)
BLN-4010M	75 ~ 120 ohm Balun, BNC/M to Krone IDC IDC Pin Assignment PA(-), PB(+), PG(G)
BLN-5010	75 ~ 120 ohm Balun, BT43 to Krone IDC IDC Pin Assignment PA(-), PB(+), PG(G)
BLN-6010	75 ~ 120 ohm Balun, SMZ to Krone IDC IDC Pin Assignment PA(-), PB(+), PG(G)

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Example: BLN - 3010