

CC CY460 Balance/Un-balance Converter



Product Brief

CC (Copper Connect) CY640 is a G703 Balance/Un-balance Converter. It is used to convert 75Ω copper cable signal to 120Ω twisted pair signal. Using CC CY640, users can realize 75Ω copper cable signal transmission through normal 120Ω twisted pair line.

Feature

1. Solve G.703 interface un-computable problem;
2. 75Ω to 120Ω bi-directional signal converting;
3. Data rate : 2.048 Mbps;
4. No need of external power supply;
5. Male, Female connector optional;
6. 1000V voltage resistant testing;
7. Customized design available.

Configuration

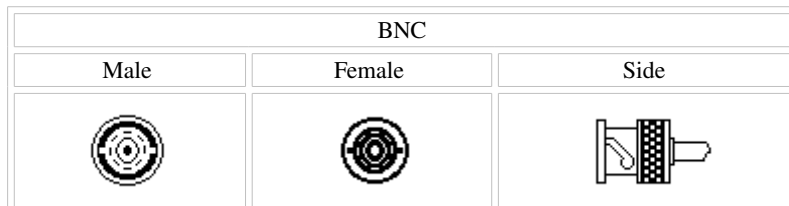
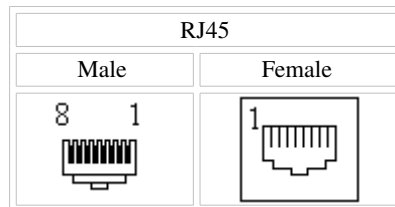
Shielded line Configuration

The default configuration can meet the requirement of the most of the customers. User can self-configure whether to connect the shielded line between 75Ω interface and 120Ω interface.

Configuration:

RJ-45 120ohm	Jumper	Coax BNC 75ohm
Pin3 TX Shield	JP1	Tx OUT Shield
Pin6 TX Shield	JP2	Rx IN Shield

(Note: JP1 and JP2 are disconnected in Default configuration)



Option:

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CC CY460 has two types: CC CY460MC for BNC Male Connector and CC CY460F for BNC Female Connector.

Both two types are using shielded RJ45. Twisted pair and copper cable pins layout as following:

Signal	RJ45 Description	DTE RJ45	BNC Description	DTE BNC
RxA	Receive Input Negative	1	Receive Input	Tip
RxB	Receive Input Positive	2	Receive Ground	Ring
TxA	Transmit Output Negative	4	Transmit Output	Tip
TxB	Transmit Output Positive	5	Transmit Ground	Ring
S1	Transmit Ground	3		
S2	Receive Ground	6		

Applications:

