



LEMAR INDUSTRIAL CORPORATION



CCTV Torpedo balun

Description:

CCTV Video Torpedo balun allows an easy and fast wires connection. No AC power or batteries needed, bi-directional signal conversion and ultra-miniature enclosure, the Torpedo balun is designed to terminate wires by hand, without punchdown tool. It is a fast and really easy installation.. CCTV balun is used in pairs to allow you to eliminate more expensive coaxial cable, including coupling signals from remote video cameras to display systems, video capture, security and surveillance monitoring applications.

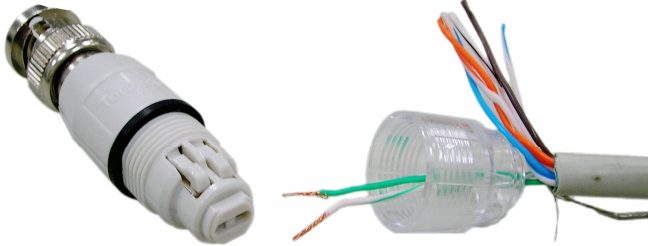
The use of existing twisted pair infrastructure such as telephone cable and cat.5 computer networking cables are also available. All our balun are 100% test for reliability and durability to guarantee your signal integrity

Specification:

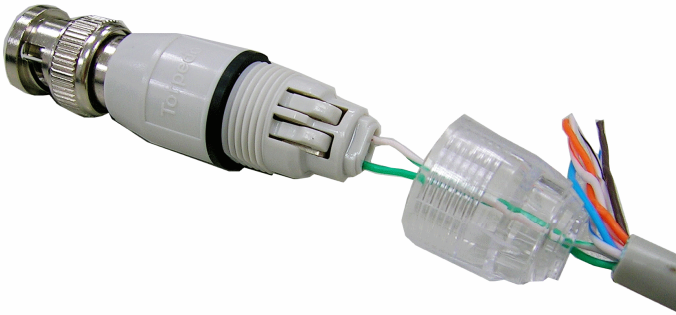
Environment	Close-Circuit TV (CCTV) equipment for security and surveillance.
Devices	CCTV cameras, monitors, multiplexers, digital video recorders (DVR) and other CCTV equipment.
Bandwidth	Video DC to 8MHz
Maximum input	1.0Vp-p
Insertion loss	Max. 2dB per pair over the frequency range from DC to 8MHz
Return loss	Greater than 15dB over the frequency range from DC to 8MHz
Common mode rejection	Greater than 40dB at 8MHz
Max. distance	Color: Cat.5 1315ft (400 meters) Monochrome: Cat.5 1970ft (600 meters) No qualified cable might decrease the transmission distance.
Cable-UTP	Cat5 or better, 24 gauge typical Max. capacitance :20pf/ft Attenuation: 6.6dB/1000ft at 1MHz
Cable-Coax	Impedance: 75ohm at 1MHz (RG6) Max. 25ft. of coax allowed per end to end link
Connectors	BNC Male or optional, IDC type
Impedance	75 ohm to 100 ohm (or 75ohm to 120ohm on request)
Temperature	Operating temp. 0 to 55° C Storage temp. -22 to 85°C Humidity up to 95%

Installation:

- 1) Pass the UTP wires through the hole of the plastic cap

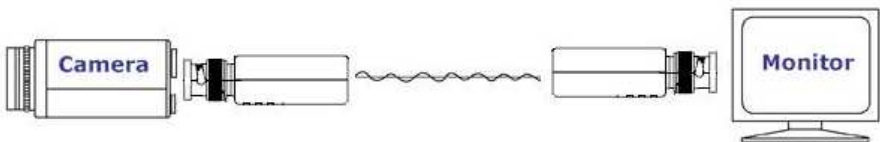


- 2) Insert the video wires in the balun holes



- 3) put back the plastic cap and screw it tight

Application:



Troubleshooting:

No Picture

1. Wrong wire colors have been used in wrong order please recheck the connection order.
2. Wires have not been put on correctly, either the cores are in wrong order or the cores are not far enough into the plug and not been crimped properly. Cut off the end again and re-crimp.
3. The cable is damaged or there is a short or open circuit on the wire, please replace the wire.

Poor Picture

1. Camera is not working properly. Please make sure the camera is working normally and sending good quality picture.
2. Wires have not been put on correctly, either the cores are in wrong order or the cores are not far enough into the plug and not been crimped properly. Cut off the end again and re-crimp
3. Cable runs too long: the picture will deteriorate if the Cat5 cable runs too long. 2,300feets is the maximum distance for a passive balun to be functioned with adjustments to DVR and monitor.