# EB58 59 62-10BaseT Series

# Monoline Coax Ethernet 10BaseT Baluns





**TYPICAL USE DIAGRAM**
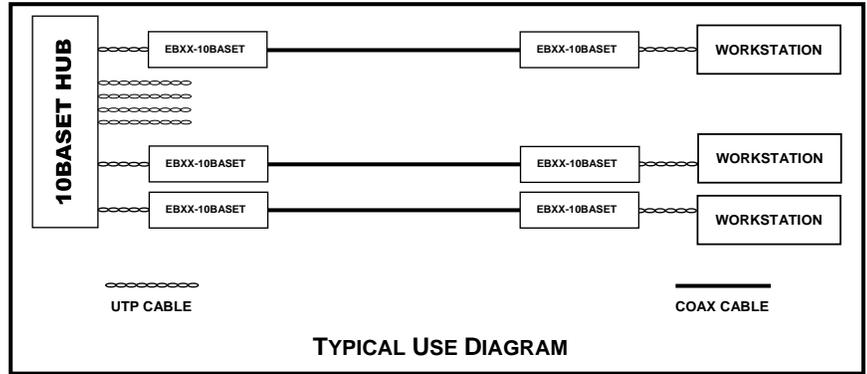
| Features/Advantages | Description | Applications |
|---|---|---|
| • May use pre-existing Star Cabling instead of 2-pair UTP cable.<br>• Exceeds 802.3 10BaseT NEXT specification, isolating the receiver from the transmitted signal<br>• Run up to 200 meters on coax. (Exceeds TIA568A)<br>• Impedance-matched<br>• Rugged, compact case<br>• USA made<br>• 100% tested | The unique **ETS Monoline™ Baluns**, only from **ETS**, enable you to re-use existing premise cabling for Ethernet 10BaseT networks. One run of coax replaces two pair UTP with improved NEXT (near-end crosstalk) over the 802.3 specification.<br><br>A **Monoline™ Balun** at each hub port and one at the workstation completes the installation without the expense of rewiring the facility with UTP for data. Coax has better high-frequency characteristics than UTP, enabling run lengths of up to 200 meters (650 feet).<br><br>Many configurations are available to meet specific connectivity requirements. Many standard applications utilize a female BNC and an RJ45 plug. | • Any facility wired for legacy data networks that might otherwise require re-wiring the building for using 10BaseT equipment can benefit from using **ETS Monoline™ Baluns**<br>• Coax installations use the EBxx-10BaseT Series |

## Specifications

| | |
|---|---|
| Insertion Loss | <0.5 dB |
| Connectors | BNC (male or female) to RJ45 (plug or jack) |
| Impedance | 50Ω to dual 100Ω (two pair) or<br>75Ω to dual 100Ω (two pair) or<br>93Ω to dual 100Ω (two pair) |
| Crosstalk | > 30 dB |
| Dimensions (HLW) | 46mm x 25mm x 19mm<br>Plug pigtails and cords as noted |
| Net Weight | 0.02 kg (approximate) |

## Product Ordering Information

| | |
|---|---|
| EBxx-10BaseT-MBNC-45 | Male BNC to RJ45 jack |
| EBxx-10BaseT-FBNC-45 | Female BNC to RJ45 jack |
| EBxx-10BaseT-MBNC-45-P | Male BNC 6.00" pigtail to RJ45 jack |
| EBxx-10BaseT-FBNC-45-P | Female BNC 6.00" pigtail to RJ45 jack |
| EBxx-10BaseT-MBNC-45-3C | Male BNC to RJ45 plug 3.00" long |
| EBxx-10BaseT-FBNC-45-3C | Female BNC to RJ45 plug 3.00" long |

xx = 58, 59, 62 for wiring of 50, 75 or 93Ω coax, respectively
All pin-outs: Standard Ethernet pin-outs (1,2 & 3,6)

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