

## MTR2000 Repeater Interface Cable to TL/TL-NET LTR Controller

MTR2000 Backplane

BridgeCom DB-9 Belden 9537

A31 – Station ground	↔	Pin 1 – Ground BLACK
B4 – Carrier detect switch (+5VDC)	↔	Pin 2 – COS/COR input ORANGE
C17 – RX discriminator output	↔	Pin 3 – RX discriminator input WHITE
A32 – 13.8 VDC output	↔	Pin 6 - 13.8 VDC input RED
A17 – Aux TX audio input	↔	Pin 7 – TX data output GREEN
A17 requires 100 KOhm resistor in line with Pin 7 to allow LTR deviation to be tuned below 3 KHz.		
C10 – External PTT input	↔	Pin 9 – External PTToutput BROWN
(+) pigtail TX wireline – TX audio	↔	Pin 4 – TX audio output BLUE
(-) pigtail TX wireline – Ground	↔	N/C goes to C31 on amphenol connector

Repeater programming and tuning procedures will be required before input and output levels can be tuned correctly.