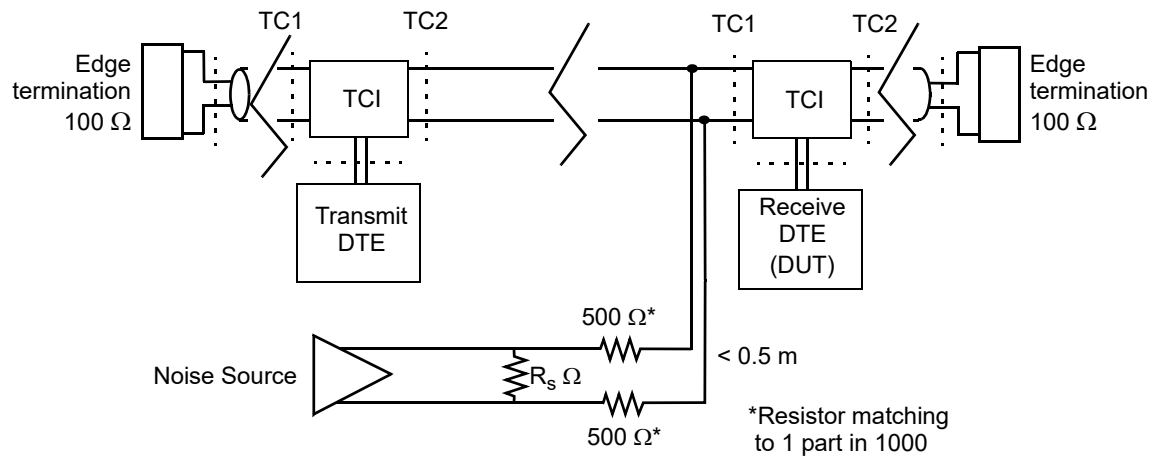


## 168. Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 10BASE-T1M

### 168.6.5.2 Alien crosstalk noise rejection

The test is performed with a noise source such that noise with a Gaussian distribution bandwidth of 40 MHz, and magnitude of  $-101$  dBm/Hz is present at the receive DUT's TCI.

The receive DUT is connected to these noise sources through a resistive network as shown in Figure 168–1 with mixing segment as defined in 168.8. The BER shall be less than  $10^{-10}$ . This specification may be considered satisfied when the frame loss ratio is less than  $10^{-7}$  for 125 octet frames measured at MAC/PLS service interface.



NOTE -  $R_s$  is to match the source impedance of the noise source

Figure 168–1—Alien crosstalk noise rejection test set-up