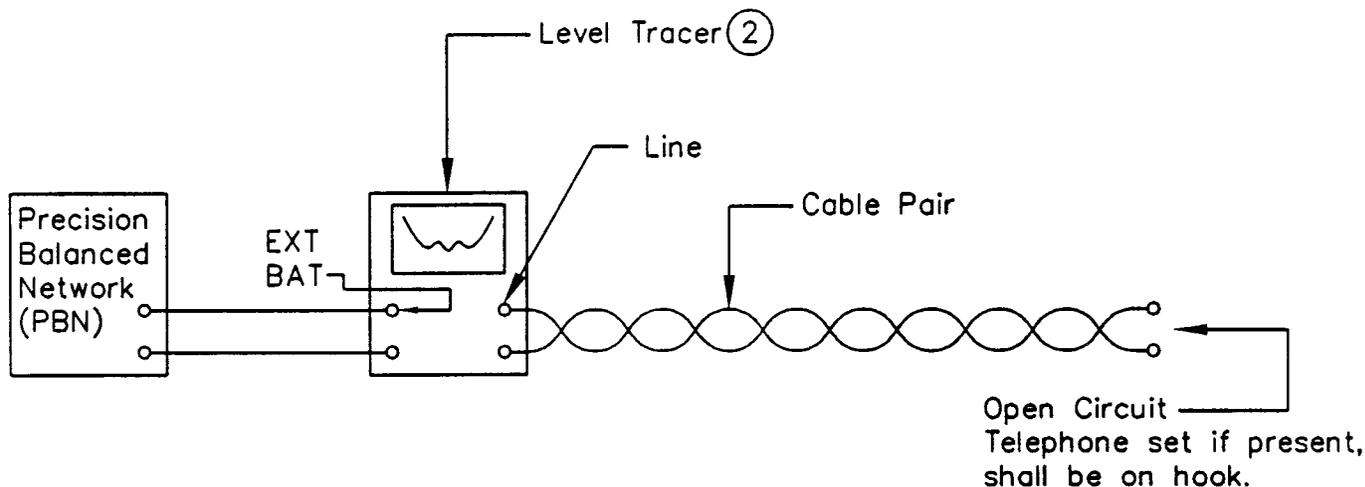


FIGURE 10

ONE-PERSON OPEN CIRCUIT MEASUREMENT STRUCTURAL RETURN LOSS USING LEVEL TRACER



Measurement Procedure

1. Connect the test equipment and cable pair under test as shown above (See Note ①). Set gauge of PBN for: Single Gauge - Same gauge as cable being measured; Mixed Gauge - Most predominant gauge adjacent to test set.
2. Observe Return Loss between 1000 and 3500 Hz (D66) or 1000 and 3000 Hz (H88) observing maximum and minimum values. Note the value and frequency of the poorest (Lowest Numerical Value) SRL. Single Gauge: Record this value. Mixed Gauge: Change gauge of PBN and note if SRL becomes better. (SRL becomes better as readings become more negative). If it does, record this value and frequency; if not, record value obtained with original gauge setting. (Varying gauge will be necessary, depending on actual cable layout, to obtain best SRL).

Notes:

- ①. Terminals to which cable pair and Artificial Line are attached shall be determined from the manufacturer's operating instructions. Proper settings for various switches and adjustments on the test set shall also be determined from the same source.
- ②. Wilcom-T132, Wilcom-T195, or equivalent.