

Subscriber Loop Signaling & Transmission Handbook: *Analog*

by Whitham D. Reeve

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Pg 109, Table 3-5, Signaling Bits for Frame 6 and Frame 12 in Robbed Bit Signaling should be “bit 8”

Pg 263, 2nd paragraph, 4th sentence should read “According to CCITT G.821 previously cited, an SES is any one second interval in which the BER is worse than 1E-3.”

Pg 419, Example 9-1 should read

“Using Figure 9-5, find the total section loss at 55 °F. All cables are DEPIC except L4, which is pulp. Using Table 9-2, the losses of segments L1, L2, L3 and L4 are:

$$L1 (24 \text{ AWG}) = 0.200 \text{ kilofeet} \times 5.5 \text{ dB/kilofeet} = 1.1 \text{ dB}$$

$$L2 (22 \text{ AWG}) = 1.000 \text{ kilofeet} \times 4.4 \text{ dB/kilofeet} = 4.4 \text{ dB}$$

$$L3 (24 \text{ AWG}) = 0.500 \text{ kilofeet} \times 5.5 \text{ dB/kilofeet} = 2.8 \text{ dB}$$

$$L4 (26 \text{ AWG}) = 3.000 \text{ kilofeet} \times 6.79 \text{ dB/kilofeet} = 20.37 \text{ dB}$$

1. Total section loss = $L1 + L2 + L3 + L4 = 28.67 \text{ dB}$
2. Total section loss = $L1 + 0.1 + L2 + 0.1 + L3 + 0.3 + L4 = 29.17 \text{ dB}$
3. Total section loss = $L4(4,700/3,000) = 31.91 \text{ dB}$

Pg 422, Example 9-3, last paragraph on this page should be calculated without the temperature compensation factor CF_t .

Pg 429, Example 9-4, the last full sentence in the 2nd paragraph should read “Also, from Table 9-4, $10\log(12) = 10.8$.”

Pg 434, top of part (a) of illustration should read “System 1”

Pg 475, 2nd paragraph, in last sentence replace “increase” with “decrease”.

Pg 475, Table 10-4, the units for Nyquist Frequency column should be “(kHz)”

Pg 482, Table 10-10, the units for Nyquist Frequency column should be “(kHz)”

Pg 482, Example 10-2, the SRDL consists of sections L_B , L_C and L_D . Replace the first line in the example calculations with

$$“L_C = 6.501 \text{ dB/kilofeet} \quad IL_C = 2.90 \text{ dB/kilofeet} \quad IL_C L_C = 18.9 \text{ dB}”$$

and change the total EML to “ $EML_T = 30.5 \text{ dB}$ ”

Pg 633, Figure D-8, change end of caption to “Procedure 7”