

## FEATURES

- 1 GHz equalization
- Ergonomics—installation and removal of accessory without tool or removal of chassis cover
- 21 dB return loss
- FCC and CENELEC approved

CommScope STARLINE 1 GHz Forward Equalizers, model SFE-100-\*, are designed to equalize fixed lengths of coaxial cable. The equalizers are available in 1 dB steps from 0 through 22 dB.

### Ergonomics

Ergonomics add to the ease of use for the STARLINE Forward Equalizer, model SFE-100-\*. This “ease of use” is achieved by implementing a plastic shell with guides that allow easy installation and removal through the chassis cover.



## SPECIFICATIONS

Characteristics	Specification
Passband	47–1003 MHz
dB of Cable Equalization	0–22 dB $\pm$ 0.5, in 1 dB steps
Flatness	$\pm$ 0.4 dB
Return Loss (max)	-21.0 dB
Insertion Loss (max)	1.5 dB

## SFE-100-\* SLOPE CHART

Frequency (MHz) vs Insertion Loss (dB)										
SFE Value	SFE Slope	50	200	300	450	550	650	750	870	1003
SFE-100-*										
22	17.1	18.1	13.2	11.0	8.3	6.7	5.3	4.0	2.5	1.0
21	16.3	17.3	12.6	10.5	7.9	6.4	5.1	3.8	2.4	1.0
20	15.5	16.5	12.1	10.1	7.6	6.2	4.9	3.7	2.4	1.0
19	14.8	15.8	11.5	9.6	7.3	5.9	4.7	3.6	2.3	1.0
18	14.0	15.0	11.0	9.2	6.9	5.7	4.5	3.4	2.2	1.0
17	13.2	14.2	10.4	8.7	6.6	5.4	4.3	3.3	2.2	1.0
16	12.4	13.4	9.9	8.2	6.3	5.2	4.1	3.2	2.1	1.0
15	11.7	12.7	9.3	7.8	6.0	4.9	3.9	3.0	2.0	1.0
14	10.9	11.9	8.7	7.3	5.6	4.6	3.7	2.9	2.0	1.0
13	10.1	11.1	8.2	6.9	5.3	4.4	3.5	2.8	1.9	1.0
12	9.3	10.3	7.6	6.4	5.0	4.1	3.3	2.6	1.8	1.0
11	8.5	9.5	7.1	6.0	4.6	3.9	3.1	2.5	1.8	1.0
10	7.8	8.8	6.5	5.5	4.3	3.6	2.9	2.4	1.7	1.0
9	7.0	8.0	6.0	5.1	4.0	3.3	2.8	2.2	1.6	1.0
8	6.2	7.2	5.4	4.6	3.6	3.1	2.6	2.1	1.5	1.0
7	5.4	6.4	4.9	4.2	3.3	2.8	2.4	1.9	1.5	1.0
6	4.7	5.7	4.3	3.7	3.0	2.6	2.2	1.8	1.4	1.0
5	3.9	4.9	3.8	3.3	2.7	2.3	2.0	1.7	1.3	1.0
4	3.1	4.1	3.2	2.8	2.3	2.0	1.8	1.5	1.3	1.0
3	2.3	3.3	2.7	2.4	2.0	1.8	1.6	1.4	1.2	1.0
2	1.6	2.6	2.1	1.9	1.7	1.5	1.4	1.3	1.1	1.0
1	0.8	1.8	1.6	1.5	1.3	1.3	1.2	1.1	1.1	1.0
0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

## RELATED PRODUCTS

FFT Full Feature Taps	Optical Patch Cords
FFE Feederline Equalizers	Optical Passives
CHP Chassis	Installation Services

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
- International: +1-678-473-5656



**Note:** Specifications are subject to change without notice.

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1514732\_SFE-100-\* Forward Equalizer\_DS\_RevA