

SPLITTERS & COUPLERS



Directional Couplers



TV & Modem Splitters



Angle Port Splitters



Wall Plate Splitters



SPLITTERS & COUPLERS



4-Way Splitter

3-Way Splitter

2-Way Splitter

2, 3 & 4-Way 1 GHz Wall Plate Splitters

Wall Plate Splitters by Gale Corporation are the first and only multi-port splitter designed and patented exclusively for wall plate installations. Our device attaches to the back of a standard wall plate offering the capability to easily install a 2, 3 or 4-port splitter into a single gang wall box.

SPECIAL FEATURES

- ▶ 25% improved circuit performance over our competitors' splitters
- ▶ 360° seizing pins on all ports
- ▶ SMT components on internal PCB
- ▶ 6kV surge withstand
- ▶ Premium intermodulation distortion & second harmonics performance
- ▶ Flat end machine-threaded F-ports with no parting lines at base
- ▶ Easily identified color-coded port labels
- ▶ Heavy duty cast zinc case & rear cover with nickel plating, soldered together for -130 dB RFI



Single Gang Wall Box

6, 9 & 12 db Directional Couplers

Gale Corporation's patented, ultracompact Directional Couplers (DC) make "loop-through" cable design a breeze! Smart, ergonomically designed DC devices attach directly onto a standard wall plate making the most of limited space. Additionally, the Gale Corporation DC nearly eliminates the potential for crushed cables and stressed connectors – and return service calls.

SPECIAL FEATURES

- ▶ Designed to mount onto any wall plate
- ▶ Easy access to ports for cable installation
- ▶ Unmatched circuit performance
- ▶ Soldered back plate
- ▶ Including all the same features available in the Gale Corporation Wall Plate Splitter



DC-6

DC-9

DC-12



Single Gang Wall Box



2, 3 & 4-Way 1 GHz Angle Port Splitters

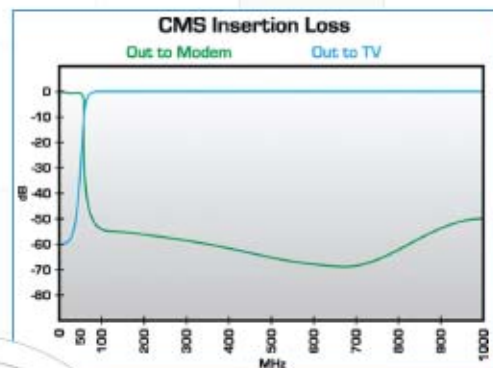
Undoubtedly, this truly innovative, patented Angle Port Splitter designed by Gale Corporation is every technician's dream! This super-slim body can be installed in almost any termination closure allowing incredibly easy access to each port whether attaching or disconnecting a cable. The Angle Port Splitter has the most accessible ports of any splitter available!

- SPECIAL FEATURES**
- ▶ Super thin case design
 - ▶ Specifications from 5-1,000 MHz
 - ▶ Soldered back plate
 - ▶ Unequaled forward & reverse insertion specifications
 - ▶ Integrated ground block & mounting brackets

TV & Modem Digital Splitters

Gale Corporation now offers a unique solution with this patented TV & Modem Splitter that utilizes a dual-port wall plate to deliver signal to both a TV and cable modem with minimal signal interference! The top port is dedicated to the modem and the lower port feeds the digital TV. This dual-port configuration ensures clean and organized cable management at last!

- SPECIAL FEATURES**
- ▶ TV & modem outputs
 - ▶ Ultracompact splitter size
 - ▶ Conditioned modem port
 - ▶ No attenuators, traps or filters required
 - ▶ Improved circuit for forward & reverse paths



Single Gang Wall Box



2-Way Splitter

3-Way Splitter

4-Way Splitter



SPECIFICATIONS

M O D E L N U M B E R S												
WALL PLATE / IN-LINE SPLITTERS			ANGLE PORT SPLITTERS				DIRECTIONAL COUPLERS			TV & MODEM SPLITTERS		
			AP2	AP3	AP4	DC6	DC9	DC12				CMS
WP2 / IL2	WP3	WP4										
Frequency (MHz) Insertion Loss (Out) Maximum (dB)			Frequency (MHz) Insertion Loss (TV) Maximum (dB)									
5-15	3.2	3.16 / 6.36	6.3	3.4	5.2	6.7	2.0	1.3	0.6	56.7		
15-40	3.3	3.22 / 6.46	6.5	3.3	5.2	6.5	1.9	1.2	0.5	51.5		
40-300	3.2	3.21 / 6.43	6.4	3.5	5.4	6.6	1.8	1.1	0.5	5.0		
300-500	3.3	3.27 / 6.63	6.5	3.5	5.6	6.8	2.0	1.3	0.6	0.1		
500-750	3.3	3.37 / 6.83	6.6	3.7	6	7.3	2.1	1.4	0.7	0.1		
750-1000	3.6	3.78 / 7.56	7.0	3.8	6.5	7.5	2.6	2.1	1.0	0.3		
Tap Insertion Loss Tolerance (±dB)			Insertion Loss (Modem) Maximum (dB)									
5-15	-	-	-	-	-	-	0.3	0.1	0.5	0.3		
15-40	-	-	-	-	-	-	0.3	0.1	0.5	0.9		
40-300	-	-	-	-	-	-	0.2	0.1	0.3	34.0		
300-500	-	-	-	-	-	-	0.1	0.3	0.1	61.1		
500-750	-	-	-	-	-	-	0.2	0.4	0.4	62.6		
750-1000	-	-	-	-	-	-	0.3	0.2	0.2	51.2		
Isolation Minimum (dB)			Isolation Minimum (dB)									
5-15	35.1	33.3	37.3	27.0	30.0	30.0	31.0	32.2	41.0	57.3		
15-40	36.6	34.7	38.1	40.0	40.0	40.0	36.0	32.4	43.3	51.2		
40-300	30.7	35.1	37.5	30.0	30.0	30.0	33.1	31.2	39.1	36.9		
300-500	27.1	31.4	34.1	24.0	25.0	25.0	28.6	30.7	31.4	61.0		
500-750	26.9	29.7	32.3	23.0	23.0	23.0	29.5	33.2	29.3	62.7		
750-1000	26.2	28.8	31.2	21.0	21.0	21.0	30.5	30.3	25.5	55.0		
Return Loss (In) Minimum (dB)			Return Loss (In) Minimum (dB)									
5-15	29.0	32.8	26.1	23.0	25.0	22.0	23.1	25.0	21.1	21.5		
15-40	29.6	27.6	25.3	25.0	28.0	23.0	23.0	26.8	24.2	17.5		
40-300	31.3	29.1	28.1	25.0	25.0	24.0	22.6	25.5	23.9	16.2		
300-500	32.5	29.8	32.1	25.0	24.0	25.0	20.8	21.4	21.6	26.4		
500-750	31.0	27.0	26.6	22.0	23.0	22.0	22.4	23.4	21.9	23.5		
750-1000	26.3	22.1	23.5	21.0	22.0	21.0	33.8	23.4	29.7	15.0		
Return Loss (Tap) Minimum (dB)			Return Loss (TV) Minimum (dB)									
5-15	-	-	-	-	-	-	31.4	22.5	24.9	0.1		
15-40	-	-	-	-	-	-	40.3	25.8	27.6	0.5		
40-300	-	-	-	-	-	-	36.8	26.7	30.9	15.4		
300-500	-	-	-	-	-	-	24.0	25.7	29.3	27.2		
500-750	-	-	-	-	-	-	24.5	26.9	25.0	24.2		
750-1000	-	-	-	-	-	-	31.0	24.1	26.0	14.4		
Return Loss (Out) Minimum (dB)			Return Loss (Modem) Minimum (dB)									
5-15	36.0	30.7	31.2	25.0	25.0	23.0	25.0	24.2	24.1	20.0		
15-40	33.8	30.6	31.1	30.0	27.0	25.0	28.2	27.3	31.6	16.5		
40-300	30.2	30.4	30.1	30.0	25.0	30.0	27.8	26.1	30.2	7.6		
300-500	27.3	27.3	26.6	25.0	24.0	25.0	21.9	20.5	22.6	9.3		
500-750	27.5	25.7	25.0	23.0	23.0	23.0	21.7	19.7	21.5	8.3		
750-1000	26.1	26.3	22.8	21.0	22.0	21.0	29.3	23.5	25.8	5.7		
RFI Isolation Minimum (dB)			RFI Isolation Minimum (dB)									
5-1000	130	130	130	130	130	130	130	130	130	130		

