



## FS 3-way splitter

- **3-way balanced and unbalanced horizontal splitters**
- **Robust zinc die-cast housing with nickel plating**
- **F-inner spring accepts coax cables with an inner core of 0.51-1.30 mm**
- **Tongue and groove back cover**
- **Exceeds EN Class A screening requirements**



### Overview

The FeTec range contains a series of 8-, 6-, 4-, 3- and 2-way low cost wideband splitters and taps. The main features and benefits of the range include:

#### EN Class A screening

High frequency shielding used on this product exceeds Class A requirements (EN 50083 2 2006) across the whole frequency range from 5MHz to 1000MHz.

#### Construction

- Tough, easy to install housing
- Epoxy sealed tongue and groove back cover
- F-connector inner spring designed for connecting coaxial cables with an inner conductor of 0.51mm to 1.30mm - it retains this elasticity, providing effective clamping force even when varying thicknesses of inner conductor are connected in succession.

#### CPD Safe

CPD (Common Path Distortion) is well known for producing signal interference on networks. It is caused by electrolytic corrosion or the oxidation of dissimilar metals when in close contact. CPD Safe technology protects against CPD.

- Removes a primary cause of CPD
- Reduces signal interference on the network
- Drives fewer reported faults
- Reduces truck rolls
- Improves customer service

# Installation splitter

## FS 3-way splitter

### Specifications

		MHz	3-Way Balanced		3-Way Unbalanced		
Insertion loss (dB)	In to Out		Typ	Max	Typ	Max	
	Out 1	5-65	5.3	5.7	3.3	3.7	
		65-300	5.3	5.7	3.3	3.7	
		300-550	5.5	5.9	3.4	3.8	
		550-750	5.9	6.3	3.6	4.0	
		750-862	5.9	6.3	3.6	4.0	
		862-1006	6.1	6.5	3.7	4.1	
		Out 2	5-65	5.3	5.7	6.5	6.9
	65-300		5.3	5.7	6.6	7.0	
	300-550		5.5	5.9	6.8	7.2	
	550-750		5.9	6.3	7.1	7.5	
	750-862		5.9	6.3	7.1	7.5	
	862-1006		6.0	6.5	7.2	7.6	
	Out 3		5-65	5.3	5.7	6.5	6.9
		65-300	5.3	5.7	6.6	7.0	
		300-550	5.5	5.9	6.8	7.2	
		550-750	5.8	6.3	7.1	7.5	
		750-862	5.8	6.3	7.1	7.5	
		862-1006	5.9	6.5	7.2	7.6	
		Return loss (dB, typ)	All ports	5-15	30.9		32.9
	15-550			33.1		35.2	
	550-1006			24.2		26.8	
	Isolation (dB)	Out to Out		Typ	Min	Typ	Min
			5-65	30.7	30.0	36.7	30.0
65-550			31.2	26.0	36.8	26.0	
550-1006			27.2	24.0	27.6	24.7	
Screening efficiency (dB) <sup>1</sup>		5-300	>95				
		300-470	>90				
		470-950	>85				
		950-1000	>85				
Shielding effectiveness (dBi) <sup>2</sup>		5-300	Avg 130				
		300-1000	Avg 120				
Connectors	All ports	F-female					
Material	Housing	Nickel plated zinc die-cast					
	F-spring	Silver plated phosphor bronze					
Impedance (Ohm, typ)		75					
Dimensions (mm)	L x H x D	59.5x42x29					
Equipment Approval	CE						

#### Remarks

1	Tested according to EN 50083-2 2006
2	Tested according to SCTE IPS-TP-403
	DC power blocking all ports

#### Ordering information

Item Name	Article number
FS-03	10390003
FS-33	10390033

Measurements taken at room temperature

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