



FS 2-way splitter

- **2-way horizontal splitter**
- **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 splitters

FS 2-way splitter

Specifications

| | | MHz | 2-Way Splitter | |
|--------------------------------------------|------------|-------------------------------|----------------|------|
| Insertion loss (dB) | In to Out | | Typ | Max |
| | | 5-65 | 3.3 | 3.7 |
| | | 65-300 | 3.2 | 3.6 |
| | | 300-550 | 3.4 | 3.8 |
| | | 550-750 | 3.5 | 3.9 |
| | | 750-862 | 3.6 | 4.0 |
| | | 862-1006 | 3.6 | 4.0 |
| Return loss (dB, typ) | All ports | 5-15 | 37.6 | |
| | | 15-550 | 38.7 | |
| | | 550-1006 | 23.4 | |
| Isolation (dB) | Out to Out | | Typ | Min |
| | | 5-65 | 39.0 | 30.0 |
| | | 65-550 | 41.5 | 26.0 |
| | | 550-1006 | 33.7 | 24.0 |
| Screening efficiency (dB) ¹ | | 5-300 | >95 | |
| | | 300-470 | >90 | |
| | | 470-950 | >85 | |
| | | 950-1000 | >85 | |
| Shielding effectiveness (dBi) ² | | 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 | 59.5x38.5x29 | | |
| 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-02 | 10390002 |

Measurements taken at room temperature

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