ESX-03

- **High quality 3-way installation splitter**
- **Modem Safe™**
- **CPD Safe™**
- **Easy to install**
- **Compact and stackable in-line model**
- **7 mm space to fit cable underneath**
- **Grounding block included**
- **Exceeds EN Class A screening requirements**

Overview

Products within the Ecoline range excel both in electrical and mechanical performance. Though designed for use within indoor environments, they are also specified for use within street-side plant.The products are easy to install with a compact housing and some models are stackable. All F-connector contacts Meet the SCTE standards (ANSI SCTE 02 2006). The material of the inner spring has been designed for connecting coax cables with an inner core of 0.64 to 1.07 mm. It retains this elasticity and provides effective clamping force even when varying thicknesses of inner conductor are connected in succession.

The intermodulation performance, which is an important factor in high level return path signals, has been greatly improved through a newly developed ferrite and specially designed circuits. The high frequency shielding exceeds Class A requirements (EN-50083-2:2006) over the whole frequency range from 5 MHz to 1218 MHz.

Modem Safe™

Modem Safe is a highly effective surge protection solution for sensitive network and in-home CPE. Based on passive circuits, the technology does not rely on discharge tubes, extending the lifespan of the solution.
- Blocks high and low voltage pulses and unwanted DC voltages
- Prevents internal ferrites within the product from becoming magnetised (avoiding deterioration in the performance of CPE)
- Drives fewer reported faults
- Improves customer service
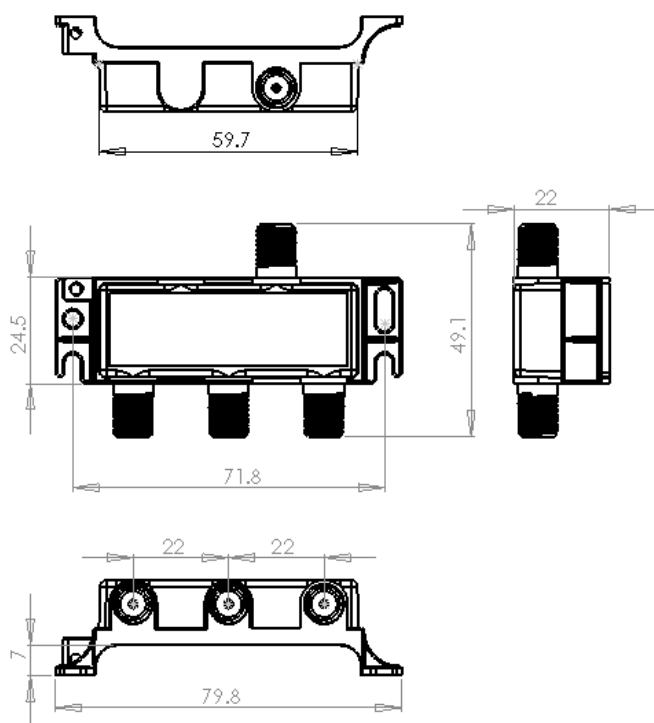- Reduces truck rolls

CPD Safe™

CPD (Common Path Distortion) is well known for producing signal interference on networks. It is caused by electrolytic corrosion or the oxidisation 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

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Specifications

		MHz	3-Way Splitter	
Frequency Range (MHz)		5-1218		
Insertion loss (dB)	In to Out		Typ	Max
		5-10		6.2
		10-470		6.1
		470-862		6.6
		862-1218		6.9
Return loss (dB) [1]	All ports	5-10	18	
		10-40	21	
		40-1006	21	
		1006-1218	16	
Isolation (dB)	Out to Out	5-10	20	
		10-65	30	
		65-1006	26	
		1006-1218	19	
Screening efficiency (dB) [2]		5-300	85	
		300-470	80	
		470-1218	75	
Intermodulation (dBc, min) [3]				115
Surge withstand (V)	Input	1kV		35
Temperature Range (°C)	Operating	5 to +45		
	Storage	-40 to +65		
Impedance (Ohm, typ)		75		
Connectors	Input	F-female		
	Output	F-female		
	Compliant with EN 61169-24 2009 Internal F connector specification			
Material	Housing	NiSn plated zinc die-cast		
	F-spring	Silver plated beryllium copper		
Dimensions (mm)	L x H x D	79.8x49.1x22		
Equipment Approval		CE/FCC		

Remarks

1	F>40MHz -1.5dB/Oct
2	According to BS EN 50083-2:2012
3	Two carriers (60 & 65MHz), Output to Output, @ 120dBuV, after 10 pulses (25V/1.2uS rise time / 500uS duration) at all ports. Two carriers (60 & 65MHz), Output to Output, @ 120dBuV, after 1 pulses (1kV/1.2uS rise time / 50uS fall time) at Input.

Ordering information

Item Name	Article number
ESX-03	19008531

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