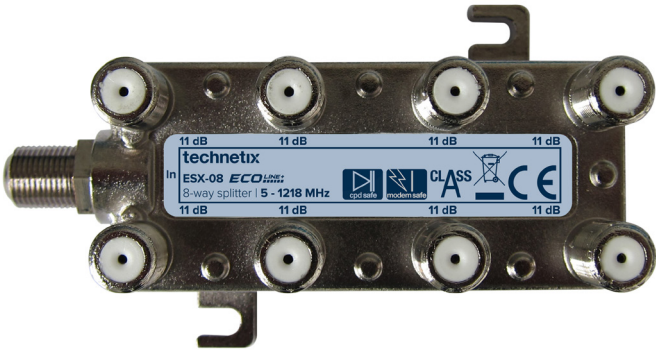
ESX-08

- High quality 8-way installation splitter
- Modem Safe™
- CPD Safe™
- Easy to install
- 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	8-Way Splitter		
Frequency Range (MHz)		5-1218			
Insertion loss (dB)	In to Out		Min	Typ	Max
		10 - 65			10.5
		65 - 300			10.8
		300 - 550			11.4
		550 - 750			11.8
		750 - 862			12
		862 - 1218			12.8
Isolation (dB) [1]	Out to Out	10 - 15	26		
		15 - 65	30		
		65 - 862	30		
		862 - 1218	20		
Return loss (dB) [1]	All ports	10 - 15	18		
		15 - 1006	22		
		1006 - 1218	18		
Group Delay [4]	(nS)	10 - 15			140
		15 - 65			10
		85 - 1218			2
Intermodulation (dBc, min) [3]		10 - 1218	105		
Screening efficiency (dB) [2]	In and Out	10 - 30		95	85
		30 - 300		90	85
		300 - 470		85	80
		470 - 950		85	75
		950 - 1218		85	55
Surge withstand (V)	Input		1kV		
Temperature Range (°C)	Operating Storage	-40 to +60 -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 F-spring	NiSn plated zinc die-cast Silver plated beryllium copper			
Dimensions (mm)	L x H x D	55 x 30 x 92			
Equipment Approval		CE/FCC			

Remarks

1	F > 40 MHz - 1.5 dB/oct, Min 18 dB, IEC 60728-4 §4.6
2	Measured in accordance to EN 50083-2
3	Out to Out two carries 60 and 65 MHz @ 120 dBµV, after 10 pulses (25V/1.2µS rise time / 500µS duration) at Output ports.
4	dF=4.433MHz
5	All specifications measured at room temperature.

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Specifications

Performance parameter/feature	Standard	Details
Port sealing		
F connectors	EN 61169-24	
water immersion	BS EN 60529	IP67 1m, 30 Mins No water ingress or electrical performance degradation
vibration	EN 60068-2-6	10Hz - 150Hz, amplitude 10 m/s No electrical performance degradation
Drop test	EN 60068-2-31	30° lift then drop all 4 sides onto concrete floor or metal plate No electrical performance degradation
Salt mist cyclic kb	EN 60068-2-52	Severity 4 No dissimilar metal corrosion, No salt incursion
Damp heat test bb	IEC-60068-2-30	2 cycles 40°C, Variant 2 No electrical performance degradation
Dry heat test bb	IEC-60068-2-2	65°C 72 hr No electrical performance degradation
Change of temp test Nb	IEC-60068-2-14	-40°C, +65°C, RoC 1° pm, 3 hr dwell time, 5 cycles No electrical performance degradation