

Universal Adjunct Module DSL Voice & Data Splitter

A Corning Cable Systems Product

features and benefits |

Instant single-position, snap-in line module	Allows quick and easy expansions to DSL service
Environmentally sealed, with tool-less IDC terminations	May be installed in any outdoor or indoor application
Additional secondary surge protection contained within the splitter	Provides higher level of defense in the event of additional metallic surges
Ring-trip enhancements	Provides maximum video performance for Internet Protocol Television (IPTV) deployments

The Corning Cable Systems Universal Adjunct Module (UAM) DSL Splitter is designed for use at the subscriber premises in a network interface device (NID). The UAM Splitter is fully potted and utilizes gel-sealed insulation displacement connections (IDCs) for voice and data connections and provides traditional spade terminals to connect to the primary protection in the NID.

The UAM DSL Splitter features Corning Cable Systems universal circuit that meets multiple DSL requirements while delivering compatibility with all industry-standard NIDs. The voice & data circuitry meets all ADSL, ADSL2, ADSL2+, VDSL, and VDSL2 requirements, and includes ring trip enhancements to prevent errors in video deployments.

standards |

ANSI compliant

ATIS.0600016.2008 compliant

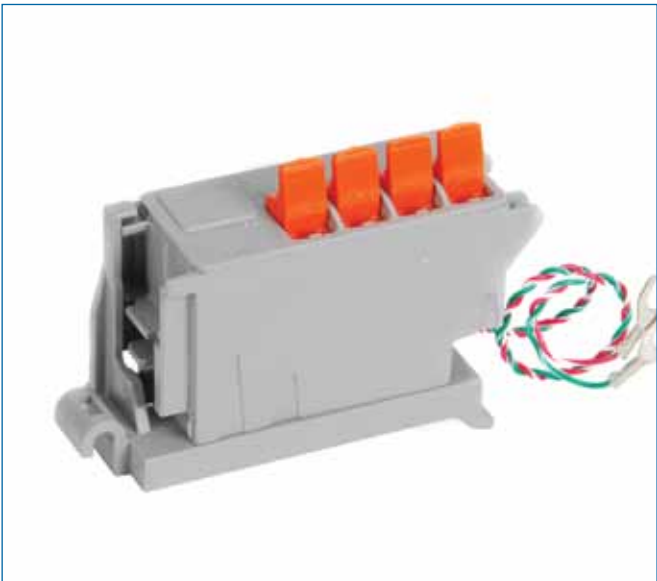
ADSL, ADSL2, ADSL2+, VDSL, and VDSL2 (30 MHz bandwidth) compliant

UL-Listed to US and Canadian Safety Standards

Telcordia GR-1089 first- and second-level lightning and AC power fault criteria

Sealed design complies with Telcordia GR-49-CORE and TR-NWR-00195 for maximum environmental protection

Independent TR-127 Ring Trip approval



UAM DSL Splitter
| Photo COP330

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specifications |

Electrical	Complies with ATIS.0600016.2008
DC Loop Current	0 to 100 mA
DC Loop Voltage (tip-to-ring)	0 to -60 VDC
Ringing Signals	103 V _{rms} superimposed on the DC Loop Voltage, 20 to 30 Hz
DC Resistance	≤ 25 ohms, POTS tip-to-ring with Line port (U-R) shorted
Insertion Loss	≤ 1.0 dB; short loops, Z _{Tc} = 900, Z _{Tr} = 600, 1004 Hz ≤ 0.75 dB; long loops, Z _{Tc} = 900, Z _{Tr} = 600, 1004 Hz
Attenuation Distortion (Voice Band) Increase Relative to Insertion Loss at 1004 Hz	+1.5 to -1.5 dB; 0.2 to 3.4 kHz, short loops, Z _{Tc} = 900, Z _{Tr} = 600 +2.0- to -2.0 dB; 3.4 to 4.0 kHz, short loops, Z _{Tc} = 900, Z _{Tr} = 600 -0.5 to -1.5 dB; 0.2 to 3.4 kHz, long loops, Z _{Tc} = 900, Z _{Tr} = 600 +1.0 to -1.5 dB; 3.4 to 4.0 kHz, long loops, Z _{Tc} = 900, Z _{Tr} = 600
Delay Distortion (Voice Band) Increase	≤ 200 μs; 0.6 to 3.2 kHz, short loops, Z _{Tc} = 900, Z _{Tr} = 600 ≤ 250 μs; 0.2 to 4.0 kHz, short loops, Z _{Tc} = 900, Z _{Tr} = 600 ≤ 200 μs; 0.6 to 3.2 kHz, long loops, Z _{Tc} = 900, Z _{Tr} = 600 ≤ 250 μs; 0.2 to 4.0 kHz, long loops, Z _{Tc} = 900, Z _{Tr} = 600
Return Loss (Voice Band)	> 6 dB ERL, > 5 dB SRL-L, > 3 dB SRL-H; short and long loops > 2 dB SRL-H; short and long loops, single frequency
Longitudinal Balance, Two-Port Technique, POTS to Line Port (U-R) and Line Port (U-R) to POTS	> 58 dB; 0.2 to 1.0 kHz > straight line from 58 dB @ 1 kHz to 53 dB @ 3.0 kHz, Bias 25 mA DC
Tip-to-Ring Capacitance, POTS Port	20 ≤ C ≤ 115 nF; 20 to 30 Hz
Capacitance to Ground, POTS Port	≤ 1.0 nF; 20 to 30 Hz
ADSL Band Attenuation	> 65 dB; 32 to 17,000 kHz, Z _{Tr} = 600 > 55 dB; 17,000 to 30,000 kHz, Z _{Tr} = 600
Input Impedance	≤ 0.25 dB; 32 to 17,000 kHz, Z _{Tr} = 600 ≤ 0.5 dB; 17,000 to 30,000 kHz, Z _{Tr} = 600

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specifications | (continued)

Product

Dimensions (H x W x D) cm (in)	6.6 x 3.8 x 2.3 (2.6 x 1.5 x 0.9)
Weight kg (lb)	0.9 (0.2)

Shipping Package

Quantity	20 per carton
Dimensions (H x W x D) cm (in)	25.9 x 20.6 x 7.6 (10.2 x 8.1 x 3.0)
Weight kg (lb)	2.2 (4.9)

ordering information |

Part Number	Description	Order Quantity
UAM-DSL-11	Universal Sealed Adjunct Splitter, DSL Tier 3 Voice (4 Voice IDCs), 7600 Adapter	20
UAM-DSL-12	Universal Sealed Adjunct Splitter, DSL Tier 3 Voice (4 Voice IDCs), 7600 Adapter and PTD Adapter	20

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notes |

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