

VDSL Video-Grade CPE Splitters For TelcoTV and IPTV Applications Worldwide



Our VDSL splitters eliminate video errors and maintain video quality even during challenging ring-trip conditions.

For years Pulse has been providing innovative DSL splitters, filters transformers, and inductors for customer premises (CPE) and central office applications worldwide. Now our CPE product line has expanded to offer video-grade splitters for error-free performance on TelcoTV networks. The splitters are designed to mount indoor or in network interface devices (NIDs).

Pulse's success with video-grade splitters is built on engineering expertise, extensive real-world testing, participation in telecommunications industry-standards organizations, and knowledge of customer requirements. Our Excelsus[®] brand invented the DSL filter in 1999 and continues to be a leader of CPE filters and splitters worldwide.

A High-Performance Splitter That Delivers

Delivering broadcast quality video and video services over DSL networks is not easy. Video interruption can occur during telephone ringing and telephone on-hook/off-hook cycles in installations using low-quality filters. ***Pulse's video-grade splitters eliminate the video errors associated with ring-trip transients and meet the electrical specifications of worldwide standards organizations.*** Our unique video-grade technology preserves video quality and phone/data signals in the customer premise -- error-free, jitter-free and trouble-free.

Pulse splitter footprints are small and compact in size. Housings can be customized to meet customer requirements, such as a convenient snap-in design or a terminal strip model with three RJ11 jacks. The splitters can be environmentally hardened for outdoor NID installation conditions.

Benefits

- Error-free and jitter-free performance that maintains high quality signals in the customer premises
- VDSL2 versions support TelcoTV and IPTV applications
- On-site system testing for xDSL telecom environments, from DSLAMs to customer premises
- Customized solutions can be developed quickly, saving OEMs time and development costs
- Engineering teams experienced in DSL circuit design and optimization

CPE Splitter Features

- Blocks high frequency VDSL signals from voice-band equipment
- Isolates telephone equipment impedances from VDSL
- Meets ETSI TS 101 952-2-1 for VDSL over POTS and ETSI TS 101 952-2-3 for VDSL over ISDN
- Meets ANSI T1.413-1998 Issue 2 Annex E and ITU-T G.992.1 E.2 for North America
- Designed to meet ITU-T K.21 for over-voltage and over-current protection
- Splitter housings can be customized to meet various requirements
- Lightning surge and power cross protections
- Optional environmental hardening
- Compliant with RoHS directive



Designs can be customized to meet customer requirements, such as this snap-in model with flying leads.

Testing Support

Automated Production Test

- Data logging
- Data archiving
- Data available via Intranet

Pulse actively participates in these Standards Organizations

- ATIS NippNai
- ETSI TM6
- DSL Forum, Test & Interoperability Technical Group

System-Level Test Lab

- VDSL CPE modem and CO DSLAM
- Cable farm and wireline simulators
- IP video transmission capability
- Bit error testing

**For assistance with a custom design or for more information,
please e-mail Pulse's Telecom Division at prodinfo_telecom@pulseeng.com.**