

VDSL2 master POTS splitter

NID box install

PS-32

Description

The Wilcom PS-32 is a master POTS splitter featuring a screw-type terminal block for weather-proof connections and simple field installation.

The PS-32 passive low-pass filter allows POTS service in concert with VDSL2 technology by blocking high frequency (20kHz-30MHz) energy from interfering with voice equipment. The PS-32 is backwards compatible with all xDSL systems.

The Wilcom PS-32 is ideally suited for video over xDSL applications such as IPTV (Internet Protocol Television) by providing robust ring-trip protection for non-zero cross ringers to eliminate video pixelization during off-hook and ring-trip events.

The Wilcom PS-32 POTS Splitter is unique because of its convenient mounting location inside the Network Interface Device (NID). The PS-32 is similar in size to a standard station protector and mounts on the Telco side inside the NID. The terminal block connectors allow for easy installation so the installer can simply connect the existing premise wiring to the PHONE terminals on the splitter, and have POTS service up and running within minutes without expensive, and time-consuming rewiring. A "home-run" connection with data-grade cable is recommended direct to the xDSL modem from the ATU-R/MODEM connection on the splitter.



Specifications:

Maximum xDSL Bandwidth	30 MHz - VDSL2 profile 30a
Maximum Bitrate	200 Mbps
Corner Frequency	7 kHz
Insertion Loss (1kHz)	< 0.25 dB
30kHz Attenuation	> 65 dB
Attenuation Distortion (0.2kHz-3.4kHz)	< 0.25 dB
Delay Distortion	< 50 μ S
Return Loss (600+2.16 μ F, typical)	ERL +27 dB SRL-LO +18 dB SRL-HI +20 dB
DC Resistance	< 20 Ohms
Longitudinal Balance	> 70 dB
Maximum Loop Current	300 mA
Acceptable Wire Gauge	19-26 AWG
Connectors	terminal block, 5mm screws
Dimensions (HWD)	1.7 x 2.3 x 0.75" (43 x 57 x 19mm)
Temperature (operating & storage)	-40°C to +85°C
Warranty	3 year

Compliance:

ITU-T G.993.2 Very high speed Digital Subscriber Line transceivers (VDSL2)
ITU-T G.992.5 Asymmetric Digital Subscriber Line transceivers (ADSL2+)
ITU-T G.992.3 Asymmetric Digital Subscriber Line transceivers (ADSL2)
ITU-T G.992.1 Asymmetric Digital Subscriber Line transceivers (ADSL)
UL/CUL 1863 Listed
ACTA (FCC) Registered
IC CS-03 Registered

Ordering Information:

Description	Part Number
PS-32 VDSL2 Master POTS Splitter	30032015