

LINE ISOLATING UNIT 12C

The Line Isolating Unit 12C provides high voltage isolation on analogue telephone lines with broadband delivered to “Hot” sites such as high voltage electricity sub-stations that are subject to a rise of earth potential. The LIU12C has an integral VDSL splitter which allows direct connection to the LIU3C for PSTN services. The isolator may also be used on ADSL, ADSL 2+, SDSL, SHDSL, SHDSL bis, VDSL & VDSL2 service lines. Services are selected via internal links.



TECHNICAL SPECIFICATION

Isolation

20kV AC

Characteristics to Line (broadband)

Nominal impedance 135 ohms

DSL Services

ITU-T G.992.2 (ADSL.G Lite)
 ITU-T G.992.3 (ADSL2 G dmt)
 ITU-T G.992.5 (ADSL2+ DMT)
 ITU-T G.991.2 (SHDSL)
 ITU-T G.993.2 (VDSL2)

PSTN

Low pass VDSL POTs splitter
 BT SIN346
 BT SIN346

PORTS

Line in
 PSTN out
 Broadband out

Size

250 x 180 x 60mm

Meet the requirements of

Low Voltage Directive 73/23/EEC: safety to BS EN 60950: 1998
 BT spec. D2966C

Characteristics to Equipment

Nominal impedance 135ohms
 Insertion loss +/-0.25dB

Speeds

ASDSL2+ 27Mbps/4Mbps
 SHDSL 5.7Mbps
 VDSL2 up to band 17

Insertion loss

200-3.5Khz < 3.5dB
 Complex impedance

Termination

IDC termination
 Test access on Line IDC

Weight

1.5kg

