ONE-PAIR SPLITTERS 1x2 VDSL2 C [30MHz] POTS

Passer one-pair splitters **1x2 VDSL2 C [30MHz] POTS** are compact devices for separating low frequency POTS signal from high frequency VDSL2 signal at the Main Distribution Frame (MDF). These types of splitter modules are developed for inserting in Krone LSA type disconnection modules, or Reichle-DeMassari VS83 Modular and VS92 Standard. Their configuration includes :

- Low Pass Filter (LPF)
- Blocking capacitors on VDSL side
- 1x2 IDC connector (Cat. 5e)

Features

One-pair central office splitters have some significant advantages to the other splitter concepts:

- For single VDSL service installation on existing POTS service **no additional pair of contacts** on MDF disconnection module is required, like with remote splitters. Therefore, **100%** of existing MDF capacity can be used.
- Jumper removal of previous POTS service is **not necessary**. Installation and deinstallation of this splitter is very simple, requiring half of the operations and installation wire needed for the other splitter concepts.
- **No additional tool** for DSLAM connection (VDSL service) is required. Standard IDC connector for manual connection provides guided pair wire instalation for VDSL jumper.
- Jumper reinstallation for cancelled VDSL service is **not necessary**.
- Simple serial and parallel **line/POTS/VDSL testing and measurement** using special adapter.

Splitters 1x2 VDSL2 C [30MHz] POTS comply with ITU-T G.992.3, G.992.5, G.993.1 and G.993.2 Recommendations.

ONE-PAIR SPLITTER 1x2 VDSL2 C [30MHz] POTS TECHNICAL SPECIFICATIONS

Splitter type		POTS one-pair
Contact resistance (with disconnection module)		< 15 mΩ
Line attenuation		< 1 dB
Group delay distortion	300 Hz - 600 Hz	< 250 μs
	600 Hz - 3200 Hz	< 200 μs
	3200 Hz - 4000 Hz	< 250 μs
Minimum isolation	25 kHz - 138 kHz	> 45 dB
	type C 138 kHz - 30 MHz	> 55 dB
Contacts on printed circuit board		Ni/Au gilt 2.5-15.0 μm
IDC connector material		According to EN-VDE Standard
Splitter housing		Reinforced polycarbonate UL94-V0
RATEL Certificate No. 1-06-3454-797-1/06		

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