Fiber Optical Distribution

The Wideband LNB receives satellite signals and the antenna receives terrestrial signals which then are converted to Wideband V/H and CATV on coaxial network.

1

The optical headend converts 2x Wideband V/H & CATV to optical wavelengths (1310, 1330, 1350, 1370 and 1550 nm) on 1 optical fiber cable.

2

The optical receiver converts 5 optical wavelengths to Wideband V/H and CATV.

The optical Quattro FTU converts 5 optical wavelengths to SCR and CATV.

3

9720
Wideband LNB

9720
Wideband LNB

6711
Profino Revolution Plus

*75 Ohm Load

V L H

H L H

V L H

H L H

CATV

4004
Optical Headend

4002
Optical Headend

$\lambda_1 + \lambda_2$

$\lambda_1 + \lambda_2$ & $\lambda_3 + \lambda_4 + \lambda_5$

5 OPTICAL WAVELENGTHS

λ_1 1310nm λ_2 1330nm λ_3 1350nm λ_4 1370nm λ_5 1550nm

Optical Splitter

4015
Optical Receiver

4034
Optical Convertor

4035
Optical Convertor

To Trunk

To STB

To STB

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