

CECTCCBHT002

Gfast SmartWire CPE Media converter

High Performance twisted pair to coax G.fast conversion and Video splitter



Product description

This product converts RJ11 twisted pair conversion to coaxial F connections, and integrated video signal

Designed and developed for high performance ultra-broadband solutions such as VDSL2 and G.fast



Features

- Simple, fast and affordable G.fast installation
- Connects to DPU feed, adapts to in-home video and G.fast modem
- Avoids mixing and disturbance between G.fast, Broadcast and TV signals
- Eliminates need for multiple DPU SKUs for hybrid installation

Specifications

Dimensions: 75 x 56 x 27 mm (3 x 2.2 x 1.1 inches) with connectors

Weight: 120g (4.2 oz)

Characteristics:

- TV bandwidth 260MHz – 2 GHz ; TV to G.fast isolation > 50dB
 - Coaxial port impedance unbalanced 75 ohms; case isolation 50-60Hz, Min 1 kVrms
 - Lightning to case 100/700 us, Max 1.5 kV; transverse power 50-60Hz, Max 250 Vrms
 - Port unbalance LCL compliant with ETSI TS 101 952-1
 - VDSL/G.fast Operating Frequency Bandwidth 30kHz-212MHz
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CECTCOSHT0100

Gfast SmartWire CPE Media converter
High Performance twisted pair to coax conversion
G.fast compatible



Temperature:

- Operating Temperature: 23° F to 113° F (-5°C to 45° C)
- Storage Temperature: -40° F to 176° F (-40°C to 80° C)
- Relative humidity 5% to 95%

Port protection: Lightning to coaxial port 1.2/50 – 8/20 CWG, Max 0.8kV

Certification

- CE Marked
- UL 94 V-0, CSA
- EN60950
- RoHS

Physical Interface

- Input type F, 75-ohm coax connector, 3/8-32UNEF-2A
- Output type F, 75-ohm coax connector, 3/8-32UNEF-2A
- Output type 2 PIN RJ11
- All possible DC signal polarity combinations available



Option for outdoor DPU usage

Parameter	Frequency	Performance
Insertion loss	30 kHz to 30 MHz	< 0.5 dB
	30 MHz to 106 MHz	< 1 dB
	160 MHz to 212 MHz	< 2 dB
Return loss	30 kHz to 30 MHz	< 20 dB
	30 MHz to 106 MHz	< 14 dB
	160 MHz to 212 MHz	< 10 dB

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