

CECTCOSHT0100

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



Product description

This product converts RJ11 twisted pair conversion to coaxial F connections

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



Features

- Convert balanced twisted pair signal to unbalanced 75Ω signal coaxial
- RJ11 in, F connector out
- Metal case optimizes signal isolation for maximum performance
- G.fast Reverse Power Feed (RPF) compatible
- Easy subscriber self-installation

Specifications

Dimensions: 3 x 1 x 1 inches (75 x 25 x 25 mm) with connectors and 2.3 x 1 x 1 inches (60 x 25 x 25 mm) for the body without connectors

Weight: 2.3 oz. (65g)

Electrical characteristics:

- DC current passthrough up to reverse power feeding SR3 class (0.35Adc)
- Low DC resistance
- G.fast compatible
- Coaxial port impedance unbalanced 75 ohms
- Twisted pair port impedance 100 ohms differential
- Port unbalance LCL compliant with ETSI TS 101 952-1
- VDSL/G.fast Operating Frequency Bandwidth 30kHz-212MHz

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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 2 PIN RJ11 jack
- Output type F, 75-ohm coax connector, 3/8-32UNEF-2A
- 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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