GEC-1PVTC-F

Passive Transceiver, Female BNC, Up-the-Coax, 60 dB CTaNI

Overview

Single-Channel Passive UTP Transceivers from UTC Fire and Security are designed to deliver flexible, long-range functionality. Capable of transporting video signals up to 228 m point-to-point, these transceivers can also transmit up to 1.067m with UTC Fire and Security active receivers. These transceivers are compatible with all major video formats including NTSC, PAL and SECAM, and support "up-the-coax" type signals to carry video and bi-directional PTZ signals. With its compact size and no power required, this transceiver installs easily and the 60dB crosstalk and noise immunity (CTaNI) allows the unit to be used in a bundle with data, audio and other low-voltage signals.

Details

- Up to 1.067m transmission range
- NTSC, PAL and SECAM compatibility for optimum flexibility
- Supports "up-the-coax" type signals to carry video and bidirectional PTZ signals
- Compact size and no power required for easy installation
- 60dB crosstalk and noise immunity (CTaNI) for bundling with data, audio and other signals
- Compatible with cameras featuring UTP transmitters for flexible application
- Screw-less connector for quick installation

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Technical specifications

General

Category	Passive
Product type	Transceiver
Transmission range	228 m (passive - passive) / 610 m (passive - active)
Data channel	No
Surge protection	No
Rack mountable	No
Ground loop isolation	No
Connection type	Screwless connection
Frequency	DC to 10 MHz
Twisted pair	100 Ohms +/- 20%, 24 AWG minimum, unsheilded Category 2-7
Insertian loss	0.3 dB
CTaNI CMRR	60 dB

Video

Video channels	1
Video connection	BNC Female
Conditioning	0.7 to 1.4 V p-p video accepted
Coax impedance	75 Ohm
Conditioning:	0.7 to 1.4 V p-p video accepted
Frequency:	DC to 10 MHz
Format:	PAL, SECAM, NTSC
Twisted Pair:	100 Ohms +/- 20%, 24 AWG minimum, unsheilded Category 2-7
Coax Impedance:	75 Ohm
Insertion Loss:	0.3 dB
CTaNI/CMRR:	60 dB

Physical

Physical dimensions	16 x 15 x 47 mm
Net weight	18 g
Material	ABS plastic

Environmental

Operating temperature	-10 to +50°C
Storage temperature	-30 to +70°C
Relative humidity	0 to 95%

Connectors

Power:	No power required
Video Connector:	BNC
UTP Connector:	Screw-less connector

Miscellaneous

Operating Temperature:	-10ºC to +50ºC
Storage Temperature:	-30ºC to +70ºC
Relative humidity:	0 to 95%, non-condensing
Dimensions (W x H x D):	16 x 15 x 47 mm
Weight:	18 gr
Material:	ABS plastic, UL rating of 94V-0