
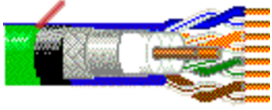


Product: [7917A](#) 



Composite Data, Audio, Video, Security and Control

Product Description

Siamese Composite, Cat 5 4 PR 24 AWG unshielded plus Series 6 Coax with Duobond® II Shield. Polyolefin Insulation on the pairs; Gas-injected FHDPE Insulation on the coax, Overall F-R PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	HDTV, DBS, CATV, CCTV, Multimedia, Voice, Video, Data, High Speed Internet, Networked Computing, Distributed Video, Distributed Audio, Security Monitoring, Energy Monitoring
------------------------	---

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
18 AWG Coax	18	Solid	BC - Bare Copper	0.04 in		1
24 AWG Pairs	24	Solid	BC - Bare Copper	0.02 in	4	

Conductor Count: 9

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene (Foam)	0.178 in	0.070 in
PP - Polypropylene	0.035 in	0.0073 in

Insulation, Table Note: Gas Injected

Color Chart

Number	Color
1	White/Blue Stripe and Blue
2	White/Orange Stripe and Orange
3	White/Green Stripe and Green
4	White/Brown Stripe and Brown

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Bonded Duofoil®	100 %
Braid	2	Aluminum		57 %

InnerShield, Table Note: Tape bonded to dielectric

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.504 in	0.0305 in	Yes

Electrical Characteristics

Conductor DCR

Max. Conductor DCR	Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Inner Shield DCR
93.8 Ohm/km	6.4 Ohm/1000ft	6.4 Ohm/1000ft	9 Ohm/1000ft

Capacitance

Max. Mutual Capacitance	Nom. Capacitance Conductor to Shield	Nom. Mutual Capacitance
17 pF/ft	16.2 pF/ft	15 pF/ft

Inductance

Nominal Inductance
0.097 μ H/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5-2250 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss	Nom. Structural Return Loss (SRL)
5 MHz	0.5 dB/100ft	15 dB
55 MHz	1.4 dB/100ft	
211 MHz	2.6 dB/100ft	
500 MHz	4.1 dB/100ft	
750 MHz	5.1 dB/100ft	
852 MHz	5.5 dB/100ft	
1000 MHz	6 dB/100ft	
1450 MHz	7.9 dB/100ft	
1800 MHz	8.4 dB/100ft	
2250 MHz	10.1 dB/100ft	

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.2 ns/ft	83 %
	70 %

High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Max./Min. Fitted Impedance
5 MHz	0.67 dB/100ft	62 dB	100 +/- 15%
55 MHz	1.6 dB/100ft	53 dB	100 +/- 15%
211 MHz	2.87 dB/100ft	48 dB	100 +/- 15%
500 MHz	4.48 dB/100ft	47 dB	100 +/- 15%
750 MHz	5.59 dB/100ft	44 dB	100 +/- 15%
862 MHz	5.98 dB/100ft	42 dB	100 +/- 15%
1000 MHz	6.54 dB/100ft	41 dB	100 +/- 15%
1450 MHz	8.3 dB/100ft	39 dB	100 +/- 15%
1800 MHz	9.3 dB/100ft	35 dB	100 +/- 15%
2250 MHz	10.6 dB/100ft	32 dB	100 +/- 15%

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes: 5-2250 MHz

Temperature Range

Operating Temp Range: -20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	45.2 lbs/1000ft
Max Recommended Pulling Tension:	92 lbs

Min Bend Radius/Minor Axis:	2.75 in
-----------------------------	---------

Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
ISO/IEC Compliance:	ISO/IEC 11801, Category 5
Telecommunications Standards:	ANSI/TIA/EIA-568-B.2, Category 5
Series Type:	Series 6
Other Specification:	NEMA WC-63.1, Category 5
Other Standards:	ISO/IEC 11801, Category 5; ANSI/TIA/EIA-568-B.2, Category 5

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-03-18
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1581 Vertical Tray
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
7917A 3371000	Green, Light	Reel	1,000 ft	612825001430

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

Product Notes

Notes:	Overall jacket sequentially marked.
--------	-------------------------------------

History

Update and Revision:	Revision Number: 0.179 Revision Date: 04-28-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.