



**Product:** [1212A](#)

Instrument Medical Interconnect, #26-6c, TC, PVC, O/A Foil, PVC Jkt, CL2X

## Product Description

Computer, Instrument & Medical Interconnect, 26 AWG stranded (7x34) tinned copper conductors, PVC insulation, Duofoil® shield (100% coverage), 26 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	for use with Molex SEMMCONN/AMP SDL connectors; computer communications; medical electronics interconnects; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
26	7x34	TC - Tinned Copper	6

Conductor Count:	6
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in

#### Color Chart

Number	Color
1	Red
2	Blue
3	Green
4	Orange
5	Yellow
6	White

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly / Alum	Duofoil®	100%	TC - Tinned Copper	26	7x34

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.220 in	0.037 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
37.3 Ohm/1000ft

#### Capacitance

Max. Mutual Capacitance	Nom. Capacitance Conductor to Conductor
24 pF/ft	26 pF/ft

## Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60%

## Current

Max. Recommended Current [A]
1.2 Amps per Conductor at 25°C

## Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

Operating Temp Range:	-20°C To +80°C
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## Mechanical Characteristics

Bulk Cable Weight:	26 lbs/1000ft
Max. Pull Tension:	25 lbs
Min Bend Radius/Minor Axis:	2.25 in

## Standards

NEC/(UL) Compliance:	CL2X
UL AWM Style Compliance:	2464 (300 V 80°C)
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

## Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	UPC
1212A 0101000	Black	612825108467
1212A 010500	Black	612825108474

Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

Notes:	AMP is a registered trademark of AMP, Inc.
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## History

Update and Revision:	Revision Number: 0.307 Revision Date: 06-08-2020
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