



Part Number: 1816P

Audio Snake Cable, 6 Pair 22 AWG TC, Individually Shielded, Plenum

Product Description

Audio Snake Cable, 6 Pair 22 AWG stranded (7x30) TC conductor, polyolefin insulation, individually shielded with bonded Beldfoil, numbered/color-coded Solef jackets, jackets and shields are bonded so both strip simultaneously, Plenum, overall fluorocopolymer jacket and nylon rip cord.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Plenum
Suitable Applications:	Sports Stadium

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	6

Conductor Count:	12
Total Number of Pairs:	6

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.049 in	0.0095 in

Color Chart

Number	Color
1	Gray #1
2	Gray #2
3	Gray #3
4	Gray #4
5	Gray #5
6	Gray #6
7	Red & Black

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	Tinned Copper	22	7x30

Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVDF - Fluorocopolymer	0.119 in	0.009 in

Outer Shield Material

Material
Aluminum/Polyester

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVDF	0.387 in	0.015 in	Yes

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
10.8 Ohm/1000ft	14.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	56 pF/ft

Delay

Nominal Velocity of Propagation (VP) [%]
66 %

Current

Max. Recommended Current [A]
1.45 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-40°C To +150°C
-----------------------	-----------------

Mechanical Characteristics

Bulk Cable Weight:	63 lbs/1000ft
Max Recommended Pulling Tension:	188 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

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):	2011-12-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL910 Plenum
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

Part Number

Non-Plenum Number: 1816R

Variants

Item #	Color	UPC	Length	Footnote
1816P 0101000	Black	612825123521	1,000 ft	C
1816P 010500	Black	612825123538	500 ft	C
1816P 0105000	Black	612825353201	5,000 ft	
1816P 0105000	Black	612825353201	5,000 ft	
1816P 010500	Black	612825123538	500 ft	C

Footnote: C - CRATE REEL PUT-UP.

Product Notes

Notes: Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Beldfoil« provides high reliability with ease of termination.

History

Update and Revision: Revision Number: 0.289 Revision Date: 08-22-2019

© 2019 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.