



Product: [5101FH](#)

Security & Sound, 3 Conductor 14 AWG TC, Shielded, Riser

Product Description

Security & Commercial Audio Cable, 3 Conductor 14 AWG stranded (19x27) tinned copper conductors with polyolefin insulation, Beldfoil® shield, Riser, PVC jacket with ripcord.

Technical Specifications

Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
------------------------	--

Physical Characteristics (Overall)

Conductor				
Element	AWG	Stranding	Material	No. of Pairs
3	19x27	19x27	TC - Tinned Copper	14
Conductor Count:				3

Insulation	
Material	Nominal Wall Thickness
PP - Polypropylene	0.011 in

Color Chart	
Number	Color
1	Black
2	White
3	Red

Outer Shield					
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22

Outer Jacket	
Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
2.54 Ohm/1000ft	11.3 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
83 pF/ft	149.4 pF/ft

Inductance	
Nominal Inductance	

0.15 µH/ft

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	54 lbs/1000ft
Max. Pull Tension:	172.9 lbs
Min. Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	Article 725
NEC/(UL) Compliance:	CL3R

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6101FH

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
5101FH 0081000	Gray	Reel	1,000 ft	612825156635

History

Update and Revision:	Revision Number: 0.143 Revision Date: 11-09-2022
----------------------	--

© 2024 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.