



Product: [6307FE](#)

Security & Sound, #18-9c, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 9-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
------------------------	--

Construction Details

Conductor				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	9	18 AWG	7x26	BC - Bare Copper

Insulation				
Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.063 in (1.6 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow, Violet

Outer Shield			
Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.266 in	Yes
Overall Cable Diameter (Nominal):		0.266 in	

Electrical Characteristics

Electricals			
Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.86 Ohm/1000ft	42 pF/ft (140 pF/m)	76 pF/ft (250 pF/m)	3.5 Amps per Conductor at 25°C

Voltage	
UL Voltage Rating	
300 V	

Mechanical Characteristics

Temperature	
UL Temperature	Operating
75°C	0°C To +75°C

Bend Radius	
Stationary Min.	Installation Min.
2.66 in (67.6 mm)	2.66 in

Max. Pull Tension:	214 lbs (97.1 kg)
Bulk Cable Weight:	67 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5307FE

History

Update and Revision:	Revision Number: 0.312 Revision Date: 05-05-2023
----------------------	--

Part Numbers

Variants

Item #	Color	UPC	Footnote
6307FE 8771000	Natural	612825175599	C
6307FE 877500	Natural	612825175605	

© 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.