


Product: [6407FE](#)
Security & Sound, #20-9c, BC, Shielded, CMP
Product Description

Security & Sound Cable, Plenum-CMP, 9-20 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	20	7x28	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.229 in	Yes

Electrical Characteristics
Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
10.82 Ohm/1000ft	36 pF/ft (120 pF/m)	64.8 pF/ft (213 pF/m)	2.6 Amps per Conductor at 25°C
Nom Outer Shield DCR:			14.41 Ohm/1000ft (47.28 Ohm/km)

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.
2.29 in (58.2 mm)	2.29 in

Max. Pull Tension:	140 lbs (64 kg)
Bulk Cable Weight:	50 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5407FE

History

Update and Revision:	Revision Number: 0.321 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	UPC
6407FE 8771000	Natural	612825176848

© 2026 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 "AS IS" 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.