


**Product: [5302FE](#)**

Security &amp; Sound, #18-4c, BC, Shielded, CMR

**Product Description**

Security &amp; Sound Cable, Riser-CMR, 4-18 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield and PVC jacket with ripcord

**Technical Specifications**
**Product Overview**

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

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	7x26	BC - Bare Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.009 in (0.23 mm)	0.062 in (1.6 mm)	Black, Red, White, Green

**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	0.017 in (0.43 mm)	0.188 in (4.78 mm)	Yes

Overall Cable Diameter (Nominal): 0.188 in (4.78 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.5 Ohm/1000ft	27 pF/ft (89 pF/m)	48.5 pF/ft (159 pF/m)	4 Amps per conductor @ 25°C
Nom Outer Shield DCR:				7.2 Ohm/1000ft (24 Ohm/km)

**Voltage**

UL Voltage Rating
300 V (CMR)

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
75°C	-20°C to +75°C

**Bend Radius**

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	104 lbs (47.2 kg)
Bulk Cable Weight:	31 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)
Plenum Number:	6302FE

## History

Update and Revision:	Revision Number: 0.452 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5302FE.00152	Chrome	Reel	152 m	8719605008220	
5302FE.00305	Chrome	Reel	305 m	8719605008237	
5302FE.00U305	Chrome	UnReel	305 m	8719605008244	
5302FE.K0305	Chrome	Reel	305 m	8719605008251	
5302FE 0081000	Gray			612825336846	C
5302FE 008500	Gray			612825159551	
5302FE 008C250	Gray				
5302FE 008U1000	Gray			612825159537	
5302FE 008U500	Gray			612825159544	

Footnote:	C - CRATE REEL PUT-UP.
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