



**Product:** [5445FE](#)

Security & Sound, #20-6pr, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 6-20 AWG stranded bare copper pairs 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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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	BC - Bare Copper	6

Conductor Count:	12
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#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

#### Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

#### Outer Shield Material

Material	Material Trade Name	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Alum / Poly	Beldfoil®	TC - Tinned Copper	24	7x32

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.293 in	0.02 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.3 Ohm/1000ft	9.5 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	46.8 pF/ft

#### Current

**Max. Recommended Current [A]**

2.6 Amps per Conductor at 25°C

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

Operating Temp Range: -20°C To +75°C

**Mechanical Characteristics**

Bulk Cable Weight:	66.7 lbs/1000ft
Max. Pull Tension:	160.3 lbs
Min Bend Radius/Minor Axis:	3 in

**Standards**

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG

**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):	2005-04-01
MII Order #39 (China RoHS):	Yes

**Flammability, LSOH, Toxicity Testing**

UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N):	No
Plenum Number:	6445FE

**Part Number****Variants**

Item #	Color	UPC
5445FE 0081000	Gray	612825162599

**History**

Update and Revision: Revision Number: 0.226 Revision Date: 06-08-2020

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.