

Part Number: 5502FE

Security & Sound, #22-4c, BC, Shielded, CMR



Product Description

Security & Sound Cable, Riser-CMR, 4-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

Technical Specifications

Use

Suitable Applications:	22 AWG Bare Copper Conductors ~ PP Insulation ~ Cabled ~ Beldfoil® Shield Tape (Foil Side Out) With Drain Wire ~ Gray PVC Jacket With Ripcord ~ Sequential Footage Marking Every Two Feet
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors
4	4	7x30	TC - Tinned Copper	7x30	4
BC - Bare Copper					

Conductor Count:	5502FE
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	PP - Polypropylene in
0.008 in	

Color Chart

Color
Black
Red
White
Green
Black
Red
White
Green

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape		Beldfoil®	Tape	100 %	7x32	TC - Tinned Copper mm	24	Solid mm
	100							

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	PVC - Polyvinyl Chloride in	0.017 in	Yes
	0.017 in		

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield	Nom. Capacitance Conductor to Shield
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22.5 pF/ft	40.5 pF/ft	22.5 pF/ft
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Construction and Dimensions

Print Legend:	NEW GENERATION(R) BY BELDEN 5502FE CMR 75C 4C22 SHIELDED (UL) E108998 OR C(UL) CMG---FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET
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Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
16.4 Ohm/1000ft	16.4 Ohm/1000ft	16.1 Ohm/1000ft

Current

Max. Recommended Current [A]
Per conductor @ 25°C: 2.2 A

Voltage

Non-UL Voltage Rating	UL Voltage Rating
300V RMS	300V RMS
	16.1 Ohm/1000ft

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMR
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 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CPR Euroclass:	Eca
CA Prop 65:	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

CSA AWM Specification:	CMG
NEC Articles:	17 lbs/1000ft
NEC/(UL) Specification:	42 lbs
UL AWM Style:	800

Flame Test

CSA Flammability:	UL1666 Riser
IEEE Flammability:	FT4
UL Flammability:	6502FE

Suitability

Suitability - Aerial:	Yes
Suitability - Indoor:	Yes

Mechanical Characteristics

Storage Temp Range:	-20°C To +75°C
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Operating Temp Range:	0.145 in
Bulk Cable Weight:	17 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	1.375 in

Temperature Range

UL Temp Rating:	75°C
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Non-Plenum Number:	No
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History

Variants

Item #	Color
5502FE.00152	GRAY
5502FE.00305	GRAY
5502FE.00U305	GRAY
5502FE 0081000	Gray
5502FE 008500	Gray
5502FE 008C500	Gray
5502FE 008U1000	Gray
5502FE 008U500	Gray

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