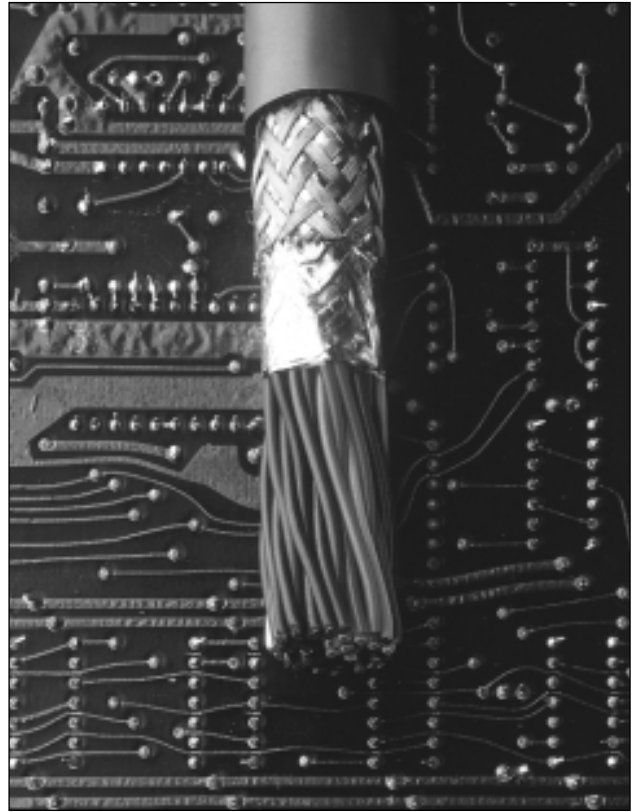


Specify **XTRA GUARD® 1** for general purpose electronic cable for internal or external wiring of OEM equipment. **XTRA GUARD® 1** features unsurpassed flame and moisture resistance, fast, easy stripping of insulation and jacket, fully color-coded, tinned copper conductors and premium grade PVC insulation and jacket. **XTRA GUARD® 1** is available in both 300 Volt and 600 Volt UL and CSA cable styles.

## APPLICATIONS

- EIA RS 232C Interface (Shielded 24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls



### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin  
(See [Doc#7371](#) Page 121 for Product Specifications)

## Product Type

## Page Number (s)

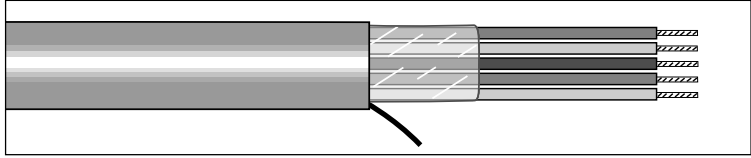
Multiconductor, Unshielded 300 Volt .....	24 - 26
Multiconductor, Unshielded 600 Volt .....	27, 28
Multiconductor, Foil Shield 300 Volt .....	29 - 31
Multiconductor, Foil Shield 600 Volt .....	32, 33
Multiconductor, <b>SUPRASHIELD®</b> (Foil/Braid) 300 Volt .....	34 - 36
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## MULTICONDUCTOR, UNSHIELDED EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart E [Doc#7397](#) Page 375, 20 AWG Chart D [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum
- ▲ Also available in Gray 328 ft (100m)

### FIT® TUBING RECOMMENDATION

**FIT**-221 – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT**-321 – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

**24 AWG** (0,23mm<sup>2</sup>), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5012C	2	0.032	0,81	0.16	4,0
5013C	3	0.032	0,81	0.17	4,4
▲ 5014C	4	0.032	0,81	0.19	4,7
▲ 5016C	6	0.032	0,81	0.21	5,3
▲ 5018C	8	0.032	0,81	0.23	5,8
▲ 5020C	10	0.032	0,81	0.24	6,2
▲ 5020/15C	15	0.032	0,81	0.28	7,1
5020/20C	20	0.032	0,81	0.31	7,9
5020/25C	25	0.032	0,81	0.34	8,5
5020/30C	30	0.032	0,81	0.36	9,1
5020/40C	40	0.032	0,81	0.40	10,2
5020/50C	50	0.032	0,81	0.44	11,2

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5002C	2	0.032	0,81	0.17	4,3
5003C	3	0.032	0,81	0.19	4,8
5004C	4	0.032	0,81	0.20	5,2
5006C	6	0.032	0,81	0.23	5,8
5008C	8	0.032	0,81	0.25	6,4
5010C	10	0.032	0,81	0.27	6,9
5010/15C	15	0.032	0,81	0.31	7,9
5010/20C	20	0.032	0,81	0.35	8,8
5010/25C	25	0.032	0,81	0.38	9,6
5010/30C	30	0.032	0,81	0.41	10,3
5010/40C	40	0.032	0,81	0.46	11,6
5010/50C	50	0.032	0,81	0.50	12,7
5010/60C	60	0.032	0,81	0.55	13,7

**20 AWG** (0,56mm<sup>2</sup>), **7/28** (7x0,32mm), Insulation Thickness: **0.017"** (0,43mm)

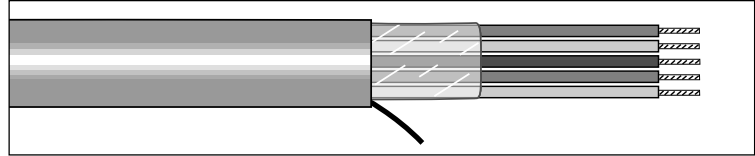
XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5052C	2	0.032	0,81	0.21	5,3
5053C	3	0.032	0,81	0.23	5,9
5054C	4	0.032	0,81	0.25	6,5
5056C	6	0.032	0,81	0.29	7,4
5058C	8	0.032	0,81	0.32	8,2
5060C	10	0.032	0,81	0.35	8,8
5060/15C	15	0.032	0,81	0.40	10,3
5060/20C	20	0.032	0,81	0.45	11,5
5060/25C	25	0.032	0,81	0.49	12,6
5060/30C	30	0.032	0,81	0.53	13,5
5060/40C	40	0.053	1,35	0.64	16,3
5060/50C	50	0.053	1,35	0.70	17,8

UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT

### MULTICONDUCTOR, UNSHIELDED EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



#### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

##### VOLTAGE RATING:

- 300 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart D [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

#### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



Passes  
UL VW-1 Flame Test  
Underwriters Laboratories Inc.



Canadian Standards Association



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

**18 AWG (0,81mm<sup>2</sup>), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5062C, 5062/1C*	2	0.032	0,81	0.23	5,8
5063C, 5063/1C*	3	0.032	0,81	0.24	6,1
5064C	4	0.032	0,81	0.26	6,6
5066C	6	0.032	0,81	0.31	7,9
5068C	8	0.032	0,81	0.33	8,4
5070C	10	0.032	0,81	0.39	9,8
5070/15C	15	0.032	0,81	0.45	11,5
5070/20C	20	0.032	0,81	0.51	12,9
5070/25C	25	0.032	0,81	0.56	14,1
5070/30C	30	0.053	1,35	0.64	16,3
5070/40C	40	0.053	1,35	0.72	18,2
5070/50C	50	0.053	1,35	0.79	20,0
5070/60C	60	0.083	2,11	0.91	23,1

**16 AWG (1,23mm<sup>2</sup>), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5072C, 5072/1C*	2	0.032	0,81	0.26	6,5
5073C, 5073/1C*	3	0.032	0,81	0.29	7,4
5074C	4	0.032	0,81	0.32	8,1
5076C	6	0.032	0,81	0.37	9,3
5078C	8	0.032	0,81	0.41	10,4
5080C	10	0.032	0,81	0.44	11,3
5080/15C	15	0.032	0,81	0.52	13,2
5080/20C	20	0.053	1,35	0.63	15,9
5080/25C	25	0.053	1,35	0.68	17,3
5080/30C	30	0.053	1,35	0.73	18,6
5080/40C	40	0.083	2,11	0.88	22,5
5080/50C	50	0.083	2,11	0.96	24,5

\*Conductors color coded per international standards: brown, blue, green/yellow

#### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

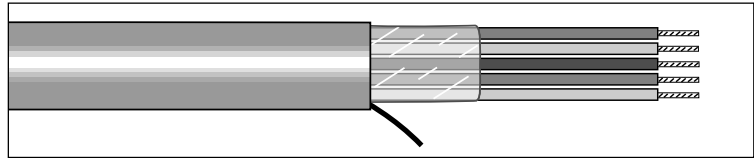
**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

## MULTICONDUCTOR, UNSHIELDED EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL TYPE CM, AWM 2343  
CSA CMG FT4  
300 VOLT

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2343
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

**24 AWG** (0,23mm<sup>2</sup>), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5201C	7	0.063	1,60	0.28	7,1
5202C	12	0.063	1,60	0.32	8,1
5203C	15	0.063	1,60	0.34	8,7
5204C	19	0.063	1,60	0.37	9,3
5206C	37	0.063	1,60	0.45	11,5

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5210/2C	2	0.063	1,60	0.23	5,9
5211C	7	0.063	1,60	0.30	7,7
5212C	12	0.063	1,60	0.35	8,9
5213C	15	0.063	1,60	0.37	9,5
5214C	19	0.063	1,60	0.40	10,2
5214/25C	25	0.063	1,60	0.44	11,1
5215C	27	0.063	1,60	0.45	11,5
5216C	37	0.063	1,60	0.50	12,8

**20 AWG** (0,56mm<sup>2</sup>), **7/28** (7x0,32mm), Insulation Thickness: **0.010"** (0,25mm)

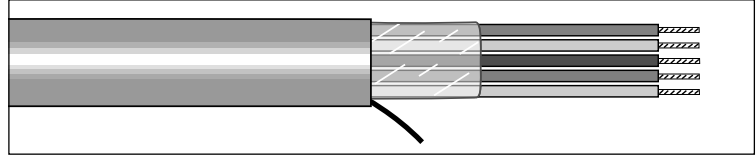
XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5220/2C	2	0.063	1,60	0.25	6,3
5220C	5	0.063	1,60	0.31	7,8
5221C	7	0.063	1,60	0.33	8,5
5222C	12	0.063	1,60	0.39	9,9
5223C	15	0.063	1,60	0.42	10,2
5224C	19	0.063	1,60	0.45	11,5
5224/25C	25	0.063	1,60	0.48	12,2
5225C	27	0.063	1,60	0.51	12,9
5226C	37	0.063	1,60	0.57	14,5

**UL AWM 2501  
CSA AWM I A/B II A/B FT4  
600 VOLT**

**MULTICONDUCTOR, UNSHIELDED  
EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE**

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 105°C

#### VOLTAGE RATING:

- 600 Volt

#### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL AWM Style 2501
- CSA AWM I A/B II A/B FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test

### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

### FIT® TUBING RECOMMENDATION

**FIT-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

**22 AWG (0,35mm<sup>2</sup>), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5402	2	0.063	1,60	0.32	8,1
5404	4	0.063	1,60	0.38	9,7
5405	5	0.063	1,60	0.41	10,4
5409	9	0.063	1,60	0.49	12,5
5409/19	19	0.063	1,60	0.64	16,2

**20 AWG (0,56mm<sup>2</sup>), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5413	3	0.063	1,60	0.35	8,8
5414	4	0.063	1,60	0.40	10,1
5419	9	0.063	1,60	0.51	13,0
5419/12	12	0.063	1,60	0.56	14,3
5419/15	15	0.063	1,60	0.61	15,5
5419/19	19	0.063	1,60	0.67	16,9
5419/25	25	0.063	1,60	0.73	18,5

**18 AWG (0,81mm<sup>2</sup>), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5422	2	0.063	1,60	0.34	8,9
5423	3	0.063	1,60	0.37	9,4
5424	4	0.063	1,60	0.42	10,8
5425	5	0.063	1,60	0.45	11,5
5427	7	0.063	1,60	0.50	12,8
5429	9	0.063	1,60	0.55	13,9
5429/15	15	0.063	1,60	0.66	16,7
5429/19	19	0.063	1,60	0.72	18,3
5429/25	25	0.063	1,60	0.79	20,1

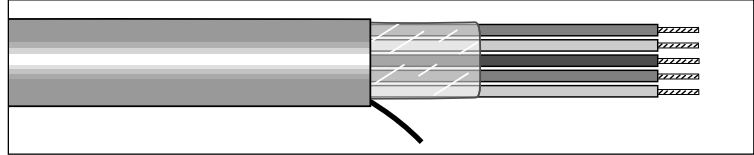
Additional AWG sizes on next page

### MULTICONDUCTOR, UNSHIELDED EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL AWM 2501  
CSA AWM I A/B II A/B FT4  
600 VOLT

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition and CSA Certification
- Flexible Cable Routing Requirements



#### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 105°C

##### VOLTAGE RATING:

- 600 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

16 AWG (1,23mm<sup>2</sup>), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5434	4	0.063	1,60	0.46	11,7
5435	5	0.063	1,60	0.49	12,6
5437	7	0.063	1,60	0.55	14,0
5439	9	0.063	1,60	0.60	15,3
5439/12	12	0.063	1,60	0.67	17,0
5439/15	15	0.063	1,60	0.73	18,4
5439/19	19	0.083	2,11	0.83	21,2
5439/25	25	0.083	2,11	0.92	23,5

14 AWG (2,08mm<sup>2</sup>), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5442	2	0.063	1,60	0.40	10,2
5443	3	0.063	1,60	0.43	10,8
5444	4	0.063	1,60	0.48	12,3
5445	5	0.063	1,60	0.52	13,2
5447	7	0.063	1,60	0.58	14,8
5449	9	0.063	1,60	0.64	16,2
5449/12	12	0.063	1,60	0.71	18,0
5449/15	15	0.063	1,60	0.77	19,6
5449/25	25	0.083	2,11	0.98	24,9

#### SPECIFICATIONS

- UL AWM Style 2501
- CSA AWM I A/B II A/B FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

FIT®-221 – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

FIT®-321 – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

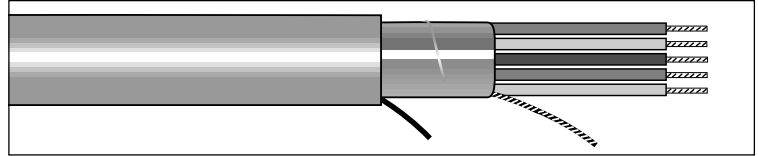
FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).

**UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT**

## MULTICONDUCTOR, FOIL SHIELD EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

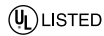
- Color Code: 24, 22 AWG Chart E [Doc#7397](#) Page 375, 20 AWG Chart D [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum
- ▲ Also available in Gray 328 ft (100m)

### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

Additional AWG sizes on next page

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

#### 24 AWG (0,23mm<sup>2</sup>), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 5092C	2	0.032	0,81	0.16	4,1
▲ 5093C	3	0.032	0,81	0.17	4,3
▲ 5094C	4	0.032	0,81	0.18	4,5
▲ 5096C	6	0.032	0,81	0.20	5,1
▲ 5098C	8	0.032	0,81	0.22	5,6
▲ 5100C	10	0.032	0,81	0.25	6,3
▲ 5100/15C	15	0.032	0,81	0.27	6,9
5100/20C	20	0.032	0,81	0.30	7,6
5100/25C	25	0.032	0,81	0.33	8,3
5100/30C	30	0.032	0,81	0.36	9,2
5100/40C	40	0.032	0,81	0.40	10,2
5100/50C	50	0.032	0,81	0.44	11,3
5100/60C	60	0.032	0,81	0.47	11,9
5100/70C	70	0.032	0,81	0.51	12,9

#### 22 AWG (0,35mm<sup>2</sup>), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5192C	2	0.032	0,81	0.18	4,6
5193C	3	0.032	0,81	0.19	4,9
5194C	4	0.032	0,81	0.20	5,1
5196C	6	0.032	0,81	0.23	5,9
5198C	8	0.032	0,81	0.25	6,4
5199/10C	10	0.032	0,81	0.28	7,0
5199/15C	15	0.032	0,81	0.31	7,9
5199/20C	20	0.032	0,81	0.34	8,6
5199/25C	25	0.032	0,81	0.38	9,7
5199/30C	30	0.032	0,81	0.40	10,2
5199/40C	40	0.032	0,81	0.45	11,5
5199/50C	50	0.032	0,81	0.49	12,5
5199/60C	60	0.032	0,81	0.53	13,5
5199/70C	70	0.053	1,35	0.62	14,0

#### 20 AWG (0,56mm<sup>2</sup>), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

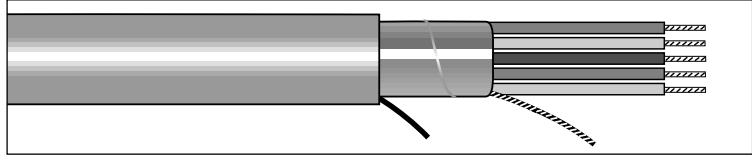
XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5462C	2	0.032	0,81	0.21	5,4
5463C	3	0.032	0,81	0.22	5,6
5464C	4	0.032	0,81	0.24	6,1
5466C	6	0.032	0,81	0.28	7,1
5468C	8	0.032	0,81	0.31	7,9
5470C	10	0.032	0,81	0.35	8,9
5470/15C	15	0.032	0,81	0.41	10,4
5470/20C	20	0.032	0,81	0.46	11,6
5470/25C	25	0.032	0,81	0.50	12,7
5470/30C	30	0.032	0,81	0.54	13,6
5470/40C	40	0.053	1,35	0.65	16,4
5470/50C	50	0.053	1,35	0.71	17,9

UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT

### MULTICONDUCTOR, FOIL SHIELD EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



#### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

##### VOLTAGE RATING:

- 300 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart D [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Shield: Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

#### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)  
**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

**18 AWG** (0,81mm<sup>2</sup>), **16/30** (16x0,25mm), Insulation Thickness: **0.017"** (0,43mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
<b>5382C, 5382/1C*</b>	2	0.032	0,81	0.23	5,9
<b>5383C, 5383/1C*</b>	3	0.032	0,81	0.24	6,1
<b>5384C</b>	4	0.032	0,81	0.26	6,6
<b>5386C</b>	6	0.032	0,81	0.31	7,9
<b>5388C</b>	8	0.032	0,81	0.33	8,3
<b>5390C</b>	10	0.032	0,81	0.39	9,9
<b>5390/15C</b>	15	0.032	0,81	0.45	11,5
<b>5390/20C</b>	20	0.032	0,81	0.51	13,0
<b>5390/25C</b>	25	0.053	1,35	0.56	14,2
<b>5390/30C</b>	30	0.053	1,35	0.64	16,4
<b>5390/40C</b>	40	0.053	1,35	0.72	18,3
<b>5390/50C</b>	50	0.053	1,35	0.79	20,1
<b>5390/60C</b>	60	0.083	2,11	0.91	23,2

**16 AWG** (1,23mm<sup>2</sup>), **19/0.0117** (19x0,29mm), Insulation Thickness: **0.017"** (0,43mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
<b>5362C, 5362/1C*</b>	2	0.032	0,81	0.25	6,4
<b>5363C, 5363/1C*</b>	3	0.032	0,81	0.27	6,9
<b>5364C</b>	4	0.032	0,81	0.29	7,4
<b>5366C</b>	6	0.032	0,81	0.35	8,9
<b>5368C</b>	8	0.032	0,81	0.38	9,7
<b>5370C</b>	10	0.032	0,81	0.44	11,2
<b>5370/15C</b>	15	0.032	0,81	0.49	12,5
<b>5370/20C</b>	20	0.053	1,35	0.59	14,9
<b>5370/25C</b>	25	0.053	1,35	0.66	16,8
<b>5370/30C</b>	30	0.053	1,35	0.71	18,0
<b>5370/40C</b>	40	0.083	2,11	0.89	22,6

\*Conductors color coded per international standards: brown, blue, green/yellow

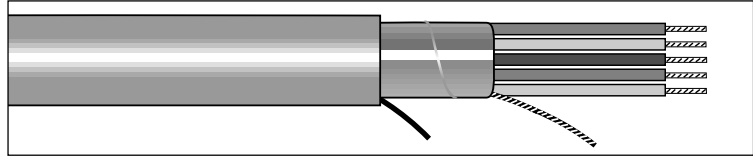


**UL TYPE CM, AWM 2343  
CSA CMG FT4  
300 VOLT**

## MULTICONDUCTOR, FOIL SHIELD EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

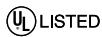
- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2343
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum
- ▲ Also available in Gray 328 ft (100m)

### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

**24 AWG (0,23mm<sup>2</sup>), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5599/3C	3	0.063	1,60	0.23	5,8
▲ 5599/5C	5	0.063	1,60	0.26	6,7
5599/7C	7	0.063	1,60	0.28	7,2
5599/12C	12	0.063	1,60	0.32	8,3
5599/15C	15	0.063	1,60	0.35	8,8
5599/19C	19	0.063	1,60	0.37	9,4
5599/27C	27	0.063	1,60	0.41	10,5

**22 AWG (0,35mm<sup>2</sup>), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5580/2C	2	0.063	1,60	0.23	5,9
5580C	5	0.063	1,60	0.28	7,2
5581C	7	0.063	1,60	0.31	7,8
5582C	12	0.063	1,60	0.36	9,0
5583C	15	0.063	1,60	0.38	9,6
5584C	19	0.063	1,60	0.41	10,3
5586C	37	0.063	1,60	0.51	12,9

**20 AWG (0,56mm<sup>2</sup>), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)**

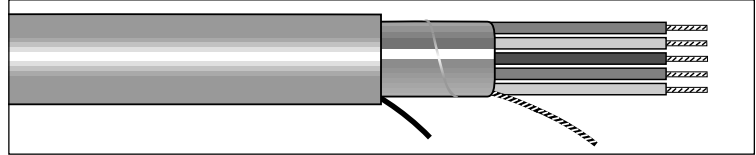
XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5560/2C	2	0.063	1,60	0.25	6,3
5560C	5	0.063	1,60	0.31	7,9
5561C	7	0.063	1,60	0.34	8,6
5562C	12	0.063	1,60	0.39	10,0
5563C	15	0.063	1,60	0.42	10,7
5564C	19	0.063	1,60	0.46	11,6

### MULTICONDUCTOR, FOIL SHIELD EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL AWM 2501  
CSA AWM I A/B II A/B FT4  
600 VOLT

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition and CSA Certification
- Flexible Cable Routing Requirements



#### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 105°C

##### VOLTAGE RATING:

- 600 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

#### SPECIFICATIONS

- UL AWM Style 2501
- CSA AWM I A/B II A/B FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



Underwriters Laboratories Inc.



Underwriters Laboratories Inc.



Canadian Standards Association



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

#### 22 AWG (0,35mm<sup>2</sup>), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5410/2	2	0.063	1,60	0.32	8,2
5410/3	3	0.063	1,60	0.34	8,6
5410/4	4	0.063	1,60	0.39	9,8
5410/5	5	0.063	1,60	0.41	10,5
5410/9	9	0.063	1,60	0.50	12,6
5410/12	12	0.063	1,60	0.55	13,9

#### 20 AWG (0,56mm<sup>2</sup>), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5420/3	3	0.063	1,60	0.35	8,9
5420/4	4	0.063	1,60	0.40	10,2
5420/5	5	0.063	1,60	0.43	10,9
5420/7	7	0.063	1,60	0.47	12,1
5420/9	9	0.063	1,60	0.51	13,1
5420/12	12	0.063	1,60	0.57	14,4

#### 18 AWG (0,81mm<sup>2</sup>), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

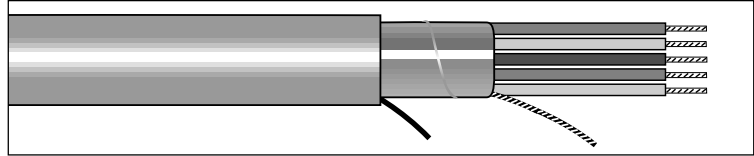
XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5430/2	2	0.063	1,60	0.35	9,0
5430/3	3	0.063	1,60	0.37	9,5
5430/4	4	0.063	1,60	0.43	10,9
5430/5	5	0.063	1,60	0.46	11,6
5430/7	7	0.063	1,60	0.51	12,9
5430/9	9	0.063	1,60	0.55	14,0
5430/12	12	0.063	1,60	0.61	15,5
5430/15	15	0.063	1,60	0.66	16,8
5430/19	19	0.063	1,60	0.72	18,4
5430/25	25	0.063	1,60	0.80	20,3

**UL AWM 2501  
CSA AWM I A/B II A/B FT4  
600 VOLT**

## MULTICONDUCTOR, FOIL SHIELD EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 105°C

#### VOLTAGE RATING:

- 600 Volt

#### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

**16 AWG (1,23mm<sup>2</sup>), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5440/2	2	0.063	1,60	0.38	9,7
5440/3	3	0.063	1,60	0.40	10,2
5440/4	4	0.063	1,60	0.46	11,8
5440/5	5	0.063	1,60	0.50	12,7
5440/7	7	0.063	1,60	0.56	14,1
5440/9	9	0.063	1,60	0.61	15,4
5440/12	12	0.063	1,60	0.67	17,1
5440/15	15	0.063	1,60	0.72	18,3

**14 AWG (2,08mm<sup>2</sup>), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5450/2	2	0.063	1,60	0.41	10,4
5450/3	3	0.063	1,60	0.43	11,0
5450/4	4	0.063	1,60	0.49	12,4
5450/5	5	0.063	1,60	0.52	13,3
5450/7	7	0.063	1,60	0.59	14,9
5450/12	12	0.063	1,60	0.71	18,1

### SPECIFICATIONS

- UL AWM Style 2501
- CSA AWM I A/B II A/B FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test

Recognized Component  
 Passes UL VW-1 Flame Test  
 Certified  
 CE  
Underwriters Laboratories Inc. Underwriters Laboratories Inc. Canadian Standards Association

### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

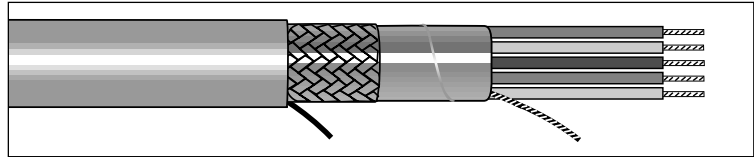
**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

### MULTICONDUCTOR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- SUPRASHIELD – Twice as Effective as Foil Shielding



#### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

##### VOLTAGE RATING:

- 300 Volt

##### COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart E [Doc#7397](#) Page 375, 20 AWG Chart D [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- SUPRASHIELD: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

#### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

#### 24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5112C	2	0.032	0,81	0.18	4,6
5113C	3	0.032	0,81	0.19	4,8
5114C	4	0.032	0,81	0.21	5,4
5116C	6	0.032	0,81	0.23	5,9
5118C	8	0.032	0,81	0.25	6,4
5120C	10	0.032	0,81	0.27	6,9
5120/15C	15	0.032	0,81	0.30	7,6
5120/20C	20	0.032	0,81	0.33	8,4
5120/25C	25	0.032	0,81	0.36	9,2
5120/30C	30	0.032	0,81	0.38	9,7
5120/40C	40	0.032	0,81	0.43	10,9
5120/50C	50	0.032	0,81	0.46	11,7

#### 22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5102C	2	0.032	0,81	0.20	5,0
5103C	3	0.032	0,81	0.21	5,4
5104C	4	0.032	0,81	0.22	5,6
5106C	6	0.032	0,81	0.25	6,4
5108C	8	0.032	0,81	0.27	6,9
5110C	10	0.032	0,81	0.30	7,6
5110/15C	15	0.032	0,81	0.33	8,4
5110/20C	20	0.032	0,81	0.36	9,2
5110/25C	25	0.032	0,81	0.39	9,8
5110/30C	30	0.032	0,81	0.42	10,9
5110/40C	40	0.032	0,81	0.47	11,8
5110/50C	50	0.032	0,81	0.51	12,9
5110/60C	60	0.053	1,35	0.60	15,4
5110/70C	70	0.053	1,35	0.63	16,0
5110/80C	80	0.053	1,35	0.66	16,8

#### 20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5152C	2	0.032	0,81	0.23	5,9
5153C	3	0.032	0,81	0.26	6,6
5154C	4	0.032	0,81	0.28	7,1
5156C	6	0.032	0,81	0.32	8,0
5158C	8	0.032	0,81	0.35	8,8
5160C	10	0.032	0,81	0.37	9,5
5160/15C	15	0.032	0,81	0.43	10,9
5160/20C	20	0.032	0,81	0.48	12,1
5160/25C	25	0.032	0,81	0.52	13,2
5160/30C	30	0.032	0,81	0.56	14,2
5160/40C	40	0.053	1,35	0.67	17,0
5160/50C	50	0.053	1,35	0.73	18,5
5160/60C	60	0.053	1,35	0.78	19,8

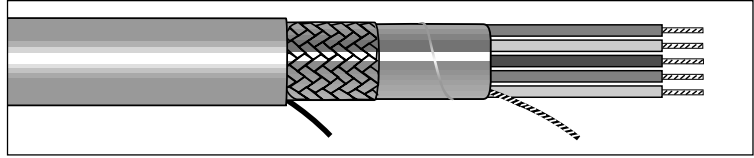
FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).

**UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT**

## MULTICONDUCTOR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- **SUPRASHIELD** – Twice as Effective as Foil Shielding



### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: Chart D [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

**18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5162C, 5162/1C*	2	0.032	0,81	0.25	6,5
5163C, 5163/1C*	3	0.032	0,81	0.28	7,2
5164C	4	0.032	0,81	0.31	7,8
5166C	6	0.032	0,81	0.35	8,9
5168C	8	0.032	0,81	0.38	9,7
5170C	10	0.032	0,81	0.41	10,5
5170/15C	15	0.032	0,81	0.48	12,1
5170/20C	20	0.032	0,81	0.53	13,5
5170/25C	25	0.053	1,35	0.62	15,8
5170/30C	30	0.053	1,35	0.67	16,9
5170/40C	40	0.053	1,35	0.74	18,9

**16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5172C, 5172/1C*	2	0.032	0,81	0.28	7,2
5173C, 5173/1C*	3	0.032	0,81	0.32	8,0
5174C	4	0.032	0,81	0.34	8,8
5176C	6	0.032	0,81	0.39	10,0
5178C	8	0.032	0,81	0.43	11,0
5180C	10	0.032	0,81	0.47	11,9
5180/15C	15	0.032	0,81	0.55	13,9
5180/20C	20	0.053	1,35	0.65	16,6
5180/25C	25	0.053	1,35	0.71	18,0

\*Conductors color coded per international standards: brown, blue, green/yellow

### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



Passes  
**UL VW-1 Flame Test**



Canadian Standards Association



### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

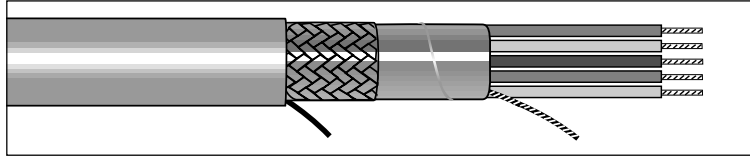
**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

### MULTICONDUCTOR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL TYPE CM, AWM 2343  
CSA CMG FT4  
300 VOLT

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- **SUPRASHIELD** – Twice as Effective as Foil Shielding



#### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

##### VOLTAGE RATING:

- 300 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart E Doc#7397 Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

#### SPECIFICATIONS

- UL Type CM, AWM Style 2343
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT® -221** – General Purpose, Irradiated Polyolefin (See Doc#7371 Page 114 for Product Specifications)

**FIT® -321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See Doc#7371 Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION Doc#7394.**

**24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5300C	5	0.063	1,60	0.29	7,2
5301C	7	0.063	1,60	0.31	7,8
5302C	12	0.063	1,60	0.35	8,8
5303C	15	0.063	1,60	0.37	9,3
5304C	19	0.063	1,60	0.39	9,9
5305C	27	0.063	1,60	0.43	11,0
5306C	37	0.063	1,60	0.48	12,1
5307C	48	0.063	1,60	0.52	13,2

**22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)**

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5310C	5	0.063	1,60	0.31	7,8
5311C	7	0.063	1,60	0.33	8,4
5312C	12	0.063	1,60	0.38	9,6
5313C	15	0.063	1,60	0.40	10,2
5314C	19	0.063	1,60	0.43	10,9
5316C	37	0.063	1,60	0.53	13,4
5318C	60	0.063	1,60	0.63	15,9

**20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)**

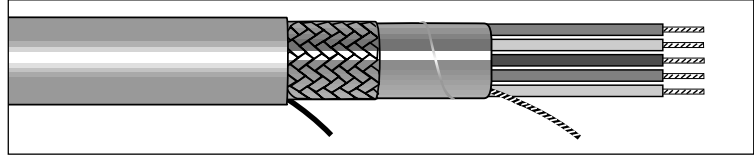
XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
5320/4C	4	0.063	1,60	0.30	7,7
5320C	5	0.063	1,60	0.33	8,4
5321C	7	0.063	1,60	0.36	9,2
5322C	12	0.063	1,60	0.42	10,6
5323C	15	0.063	1,60	0.44	11,3
5324C	19	0.063	1,60	0.48	12,1
5325C	27	0.063	1,60	0.53	13,6
5326C	37	0.063	1,60	0.60	15,1

**UL AWM 2501  
CSA AWM I A/B II A/B FT4  
600 VOLT**

## MULTICONDUCTOR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition and CSA Certification
- **SUPRASHIELD** – Twice as Effective as Foil Shielding



### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 105°C

#### VOLTAGE RATING:

- 600 Volt

#### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL AWM Style 2501
- CSA AWM I A/B II A/B FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test

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### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.032"** (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5504	4	0.063	1,60	0.41	10,4
5507	7	0.063	1,60	0.48	12,2
5509/12	12	0.063	1,60	0.57	14,4

**20 AWG** (0,56mm<sup>2</sup>), **7/28** (7x0,32mm), Insulation Thickness: **0.032"** (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5514	4	0.063	1,60	0.42	10,7
5517	7	0.063	1,60	0.50	12,6
5519	9	0.063	1,60	0.54	13,6
5519/12	12	0.063	1,60	0.59	15,0
5519/19	19	0.063	1,60	0.69	17,6

**18 AWG** (0,81mm<sup>2</sup>), **16/30** (16x0,25mm), Insulation Thickness: **0.032"** (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5522	2	0.063	1,60	0.38	9,6
5523	3	0.063	1,60	0.40	10,1
5524	4	0.063	1,60	0.45	11,4
5525	5	0.063	1,60	0.48	12,2
5527	7	0.063	1,60	0.53	13,5
5529	9	0.063	1,60	0.57	14,6
5529/12	12	0.063	1,60	0.63	16,1
5529/15	15	0.063	1,60	0.68	17,4
5529/19	19	0.083	2,11	0.79	19,9

Additional AWG sizes on next page

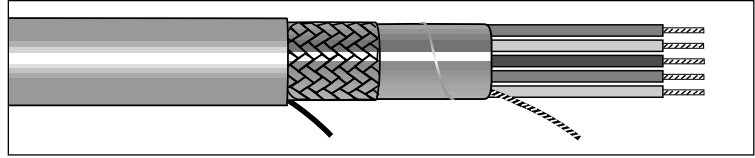
**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

### MULTICONDUCTOR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL AWM 2501  
CSA AWM I A/B II A/B FT4  
600 VOLT

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition and CSA Certification
- SUPRASHIELD – Twice as Effective as Foil Shielding



#### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 105°C

##### VOLTAGE RATING:

- 600 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- SUPRASHIELD: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

16 AWG (1,23mm<sup>2</sup>), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5532	2	0.063	1,60	0.40	10,2
5533	3	0.063	1,60	0.42	10,8
5534	4	0.063	1,60	0.49	12,4
5535	5	0.063	1,60	0.52	13,2
5537	7	0.063	1,60	0.58	14,7
5539	9	0.063	1,60	0.63	16,0
5539/12	12	0.063	1,60	0.69	17,6
5539/15	15	0.083	2,11	0.79	20,0
5539/19	19	0.083	2,11	0.86	21,9

14 AWG (2,08mm<sup>2</sup>), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 1 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5542	2	0.063	1,60	0.43	10,9
5543	3	0.063	1,60	0.45	11,5
5544	4	0.063	1,60	0.51	13,0
5547	7	0.063	1,60	0.61	15,5
5549	9	0.063	1,60	0.66	16,8
5549/12	12	0.083	2,11	0.77	19,6
5549/15	15	0.083	2,11	0.83	21,2

#### SPECIFICATIONS

- UL AWM Style 2501
- CSA AWM I A/B II A/B FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

FIT®-221 – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

FIT®-321 – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).

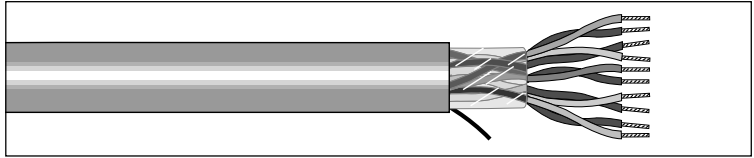


**UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT**

## MULTIPAIR, UNSHIELDED EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

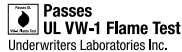
- Color Code: 24, 22 AWG Chart B [Doc#7397](#) Page 374, 20, 18 AWG Chart A [Doc#7397](#) Page 374
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



Underwriters Laboratories Inc. Canadian Standards Association

### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum
- ▲ Also available in Gray 328 ft (100m)

**24 AWG (0,23mm<sup>2</sup>), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)**

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5261C	1	0.032	0,81	0.16	4,1
5262C	2	0.032	0,81	0.20	5,1
▲ 5263C	3	0.032	0,81	0.23	5,8
5264C	4	0.032	0,81	0.25	6,4
5265C	5	0.032	0,81	0.27	6,9
5266C	6	0.032	0,81	0.29	7,3
▲ 5269C	9	0.032	0,81	0.33	8,4
5269/11C	11	0.032	0,81	0.36	9,1
▲ 5269/15C	15	0.032	0,81	0.40	10,1
5269/27C	27	0.032	0,81	0.50	12,7
5269/77C	77	0.083	2,11	0.86	21,8

**22 AWG (0,35mm<sup>2</sup>), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)**

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5021C	1	0.032	0,81	0.17	4,3
5022C	2	0.032	0,81	0.22	5,7
5023C	3	0.032	0,81	0.25	6,5
5024C	4	0.032	0,81	0.28	7,1
5025C	5	0.032	0,81	0.30	7,7
5026C	6	0.032	0,81	0.31	7,8
5029/15C	15	0.032	0,81	0.45	11,5

**20 AWG (0,56mm<sup>2</sup>), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)**

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5282C	2	0.032	0,81	0.30	7,5
5283C	3	0.032	0,81	0.32	8,2
5286C	6	0.032	0,81	0.42	10,6
5289C	9	0.032	0,81	0.49	12,4
5289/12C	12	0.032	0,81	0.53	13,5

**18 AWG (0,81mm<sup>2</sup>), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)**

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5032C	2	0.032	0,81	0.33	8,4
5033C	3	0.032	0,81	0.36	9,1
5036C	6	0.032	0,81	0.47	11,9
5039C	9	0.053	1,35	0.55	13,9
5039/12C	12	0.053	1,35	0.63	16,1

### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

## MULTIPAIR, FOIL SHIELD

### EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

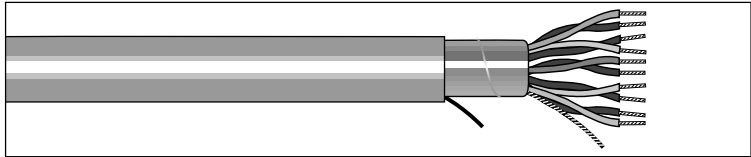
UL TYPE CM, AWM 2464

CSA CMG FT4

300 VOLT

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- Flexible Cable Routing Requirements



### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart B [Doc#7397](#) Page 374, 20, 18 AWG Chart A [Doc#7397](#) Page 374
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



Underwriters Laboratories Inc. Canadian Standards Association

### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

### FIT® TUBING RECOMMENDATION

**FIT-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

#### 24 AWG (0,23mm<sup>2</sup>), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5491C	1	0.032	0,81	0.16	4,1
5492C	2	0.032	0,81	0.21	5,2
5493C	3	0.032	0,81	0.23	5,9
5494C	4	0.032	0,81	0.25	6,5
5495C	5	0.032	0,81	0.27	7,0
5496C	6	0.032	0,81	0.29	7,4
5499C	9	0.032	0,81	0.34	8,5
5499/11C	11	0.032	0,81	0.36	9,2
5499/15C	15	0.032	0,81	0.40	10,3
5499/19C	19	0.032	0,81	0.44	11,2
5499/27C	27	0.032	0,81	0.50	12,8

#### 22 AWG (0,35mm<sup>2</sup>), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5481C	1	0.032	0,81	0.18	4,6
5482C	2	0.032	0,81	0.23	5,8
5483C	3	0.032	0,81	0.25	6,5
5484C	4	0.032	0,81	0.27	7,0
5485C	5	0.032	0,81	0.29	7,4
5486C	6	0.032	0,81	0.32	8,0
5489C	9	0.032	0,81	0.37	9,4
5489/11C	11	0.032	0,81	0.40	10,3
5489/15C	15	0.032	0,81	0.45	11,4
5489/19C	19	0.032	0,81	0.49	12,5
5489/27C	27	0.053	1,35	0.62	15,7

#### 20 AWG (0,56mm<sup>2</sup>), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5452C	2	0.032	0,81	0.31	7,7
5453C	3	0.032	0,81	0.33	8,3
5456C	6	0.032	0,81	0.43	10,7
5459C	9	0.032	0,81	0.50	12,5
5459/12C	12	0.032	0,81	0.56	13,5
5459/19C	19	0.053	1,35	0.70	17,8

#### 18 AWG (0,81mm<sup>2</sup>), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5373C	3	0.032	0,81	0.36	9,2
5376C	6	0.032	0,81	0.47	12,0

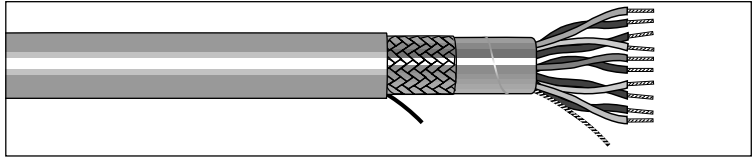
FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).

**UL TYPE CM, AWM 2464  
CSA CMG FT4  
300 VOLT**

## MULTIPAIR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- **SUPRASHIELD** – Twice as Effective as Foil Shielding



### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: 24, 22 AWG Chart B [Doc#7397](#) Page 374, 20, 18 AWG Chart A [Doc#7397](#) Page 374
- Jacket Colors: Gray, Black

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

### SPECIFICATIONS

- UL Type CM, AWM Style 2464
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



Underwriters Laboratories Inc. Canadian Standards Association

### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT®-221** – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT®-321** – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**24 AWG** (0,23mm<sup>2</sup>), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5271C	1	0.032	0,81	0.18	4,6
5272C	2	0.032	0,81	0.23	5,8
5273C	3	0.032	0,81	0.25	6,5
5274C	4	0.032	0,81	0.28	7,0
5275C	5	0.032	0,81	0.30	7,5
5276C	6	0.032	0,81	0.31	8,0
5279C	9	0.032	0,81	0.36	9,1
5279/11C	11	0.032	0,81	0.38	9,7
5279/15C	15	0.032	0,81	0.43	10,8
5279/19C	19	0.032	0,81	0.46	11,8
5279/27C	27	0.032	0,81	0.53	13,4
5279/51C	51	0.053	1,35	0.71	18,1

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5121C	1	0.032	0,81	0.20	5,1
5122C	2	0.032	0,81	0.25	6,3
5123C	3	0.032	0,81	0.28	7,1
5124C	4	0.032	0,81	0.31	7,8
5125C	5	0.032	0,81	0.33	8,3
5126C	6	0.032	0,81	0.35	8,9
5129C	9	0.032	0,81	0.40	10,1
5129/11C	11	0.032	0,81	0.43	10,9
5129/15C	15	0.032	0,81	0.48	12,1
5129/19C	19	0.032	0,81	0.52	13,2
5129/27C	27	0.053	1,35	0.64	16,2

**20 AWG** (0,56mm<sup>2</sup>), **7/28** (7x0,32mm), Insulation Thickness: **0.017"** (0,43mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5292C	2	0.032	0,81	0.33	8,3
5293C	3	0.032	0,81	0.35	8,9
5296C	6	0.032	0,81	0.44	11,3
5299C	9	0.032	0,81	0.51	13,0
5299/19C	19	0.053	1,35	0.72	18,4

**18 AWG** (0,81mm<sup>2</sup>), **16/30** (16x0,25mm), Insulation Thickness: **0.017"** (0,43mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5132C	2	0.032	0,81	0.36	9,1
5133C	3	0.032	0,81	0.39	9,8
5136C	6	0.032	0,81	0.49	12,5
5139C	9	0.053	1,35	0.62	15,6
5139/27C	27	0.083	2,11	0.98	24,9

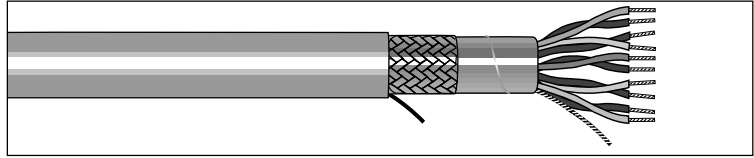
**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

### MULTIPAIR, SUPRASHIELD® EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

UL TYPE CM, AWM 2343  
CSA CMG FT4  
300 VOLT

#### CHOOSE XTRA•GUARD 1 FOR:

- Unsurpassed Flame and Moisture Resistance
- Fast, Easy Stripping of Insulation and Jacket
- UL Recognition, UL Listing and CSA Certification
- **SUPRASHIELD** – Twice as Effective as Foil Shielding



#### XTRA•GUARD 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

#### CHARACTERISTICS

##### OPERATING TEMPERATURE:

- -20°C to 80°C – AWM
- -20°C to 75°C – CM

##### VOLTAGE RATING:

- 300 Volt

##### COLOR DESCRIPTION:

- Color Code: Chart B [Doc#7397](#) Page 374
- Jacket Colors: Gray, Black

##### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Premium PVC

#### SPECIFICATIONS

- UL Type CM, AWM Style 2343
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test



#### AVAILABILITY

- In Stock: Gray 100 ft (30,5m), 500 ft (152m) and 1000 ft (305m) put-ups
- Made-To-Order: Black, 1000 ft (305m) minimum

#### FIT® TUBING RECOMMENDATION

**FIT**-221 – General Purpose, Irradiated Polyolefin (See [Doc#7371](#) Page 114 for Product Specifications)

**FIT**-321 – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See [Doc#7371](#) Page 121 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION [Doc#7394](#).**

**24 AWG** (0,23mm<sup>2</sup>), **7/32** (7x0,20mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5330C	5	0.063	1,60	0.36	9,1
5331C	7	0.063	1,60	0.39	9,9
5332C	12	0.063	1,60	0.46	11,6
5333C	15	0.063	1,60	0.49	12,4
5334C	19	0.063	1,60	0.52	13,3
5335C	27	0.063	1,60	0.59	14,9
5336C	37	0.063	1,60	0.65	16,6

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5340/2C	2	0.063	1,60	0.32	8,2
5340C	5	0.063	1,60	0.39	9,9
5341C	7	0.063	1,60	0.43	10,9
5342C	12	0.063	1,60	0.50	12,8
5344C	19	0.063	1,60	0.58	14,8
5345C	27	0.063	1,60	0.66	16,7
5346C	37	0.063	1,60	0.73	18,6

**20 AWG** (0,56mm<sup>2</sup>), **7/28** (7x0,32mm), Insulation Thickness: **0.010"** (0,25mm)

XTRA•GUARD 1 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5350/4C	4	0.063	1,60	0.39	9,9
5350C	5	0.063	1,60	0.43	11,0
5351C	7	0.063	1,60	0.48	12,1
5351/9C	9	0.063	1,60	0.50	12,7
5353C	15	0.063	1,60	0.61	15,4
5354C	19	0.063	1,60	0.66	16,7
5355C	27	0.063	1,60	0.75	18,9