

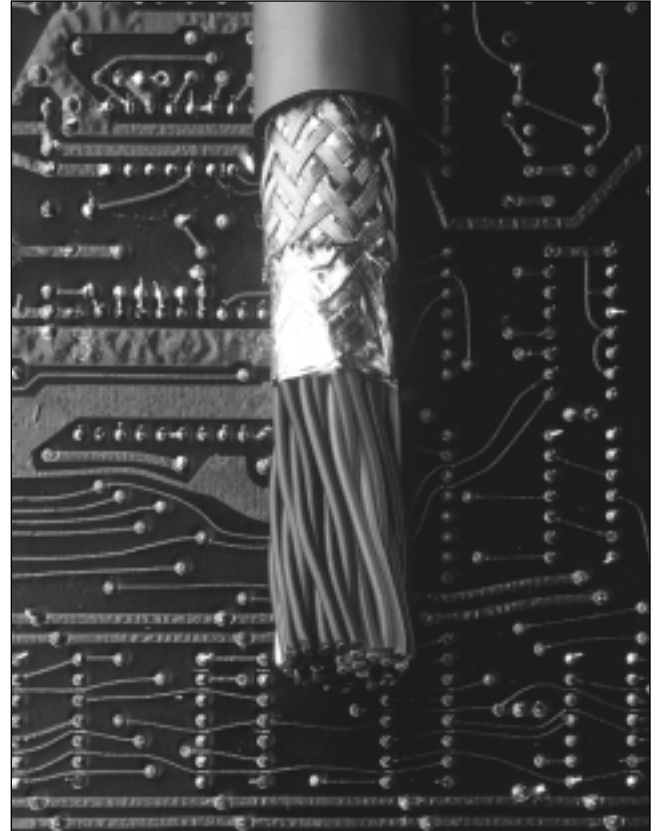
XTRA•GUARD® 1

EXTRA-PREMIUM GRADE PVC JACKET FOR EXTENDED CABLE LIFE

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 Page 114 for Product Specifications)

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

UL TYPE CM, AWM 2464
CSA CMG FT4
RoHS COMPLIANT
300 VOLT

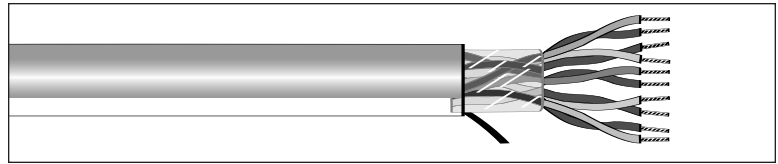
XTRA-GUARD® 1

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 Page 374, 20, 18 AWG Chart A 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
- RoHS Compliant



Passes
UL VW-1 Flame Test
 Underwriters Laboratories Inc.



Certified
 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)

FIT® TUBING RECOMMENDATION

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

FIT®-321 – Medium Wall, Adhesive Lined, Irradiated Polyolefin (See 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 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 (0,35mm²), 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 (0,56mm²), 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 (0,81mm²), 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

TECHNICAL DATA

COLOR CODE CHARTS

MULTIPAIR CABLES

374

CHART A

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Black paired with Red	14	Green paired with Blue	27	Brown paired with Yellow	40	Slate paired with Blue
2	Black paired with White	15	Green paired with White	28	Purple paired with Red	41	Slate paired with Brown
3	Black paired with Green	16	Green paired with Brown	29	Purple paired with White	42	Slate paired with Yellow
4	Black paired with Blue	17	Green paired with Orange	30	Purple paired with Green	43	Slate paired with Orange
5	Black paired with Brown	18	Green paired with Yellow	31	Purple paired with Blue	44	Slate paired with Black
6	Black paired with Yellow	19	White paired with Blue	32	Purple paired with Brown	45	White/Black paired with Red
7	Black paired with Orange	20	White paired with Brown	33	Purple paired with Yellow	46	White/Black paired with Green
8	Red paired with Green	21	White paired with Orange	34	Purple paired with Orange	47	White/Black paired with Blue
9	Red paired with White	22	White paired with Yellow	35	Purple paired with Slate	48	White/Black paired with Brown
10	Red paired with Blue	23	Blue paired with Brown	36	Purple paired with Black	49	White/Black paired with Yellow
11	Red paired with Yellow	24	Blue paired with Orange	37	Slate paired with Red	50	White/Black paired with Orange
12	Red paired with Brown	25	Blue paired with Yellow	38	Slate paired with White	51	White/Black paired with Purple
13	Red paired with Orange	26	Brown paired with Orange	39	Slate paired with Green		

CHART B

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White paired with Black	27	Red paired with Green	53	White/Black paired with Violet	78	White/Orange paired with Green
2	White paired with Brown	28	Red paired with Blue	54	White/Black paired with Gray	79	White/Orange paired with Blue
3	White paired with Red	29	Red paired with Violet	55	White/Brown paired with Black	80	White/Orange paired with Violet
4	White paired with Orange	30	Red paired with Gray	56	White/Brown paired with Brown	81	White/Orange paired with Gray
5	White paired with Yellow	31	Orange paired with Yellow	57	White/Brown paired with Red	82	White/Yellow paired with Black
6	White paired with Green	32	Orange paired with Orange	58	White/Brown paired with Orange	83	White/Yellow paired with Brown
7	White paired with Blue	33	Orange paired with Blue	59	White/Brown paired with Yellow	84	White/Yellow paired with Red
8	White paired with Violet	34	Orange paired with Violet	60	White/Brown paired with Green	85	White/Yellow paired with Orange
9	White paired with Gray	35	Orange paired with Gray	61	White/Brown paired with Blue	86	White/Yellow paired with Yellow
10	Black paired with Brown	36	Yellow paired with Green	62	White/Brown paired with Violet	87	White/Yellow paired with Green
11	Black paired with Red	37	Yellow paired with Blue	63	White/Brown paired with Gray	88	White/Yellow paired with Blue
12	Black paired with Orange	38	Yellow paired with Violet	64	White/Red paired with Black	89	White/Yellow paired with Violet
13	Black paired with Yellow	39	Yellow paired with Gray	65	White/Red paired with Brown	90	White/Yellow paired with Gray
14	Black paired with Green	40	Green paired with Blue	66	White/Red paired with Red	91	White/Green paired with Black
15	Black paired with Blue	41	Green paired with Violet	67	White/Red paired with Orange	92	White/Green paired with Brown
16	Black paired with Violet	42	Green paired with Gray	68	White/Red paired with Yellow	93	White/Green paired with Red
17	Black paired with Gray	43	Blue paired with Violet	69	White/Red paired with Green	94	White/Green paired with Orange
18	Brown paired with Red	44	Blue paired with Gray	70	White/Red paired with Blue	95	White/Green paired with Yellow
19	Brown paired with Orange	45	Violet paired with Gray	71	White/Red paired with Violet	96	White/Green paired with Violet
20	Brown paired with Yellow	46	White/Black paired with Black	72	White/Red paired with Gray	97	White/Green paired with Blue
21	Brown paired with Green	47	White/Black paired with Brown	73	White/Orange paired with Black	98	White/Green paired with Violet
22	Brown paired with Blue	48	White/Black paired with Red	74	White/Orange paired with Brown	99	White/Green paired with Gray
23	Brown paired with Violet	49	White/Black paired with Orange	75	White/Orange paired with Red	100	White/Blue paired with Black
24	Brown paired with Gray	50	White/Black paired with Yellow	76	White/Orange paired with Orange	101	White/Blue paired with Brown
25	Red paired with Orange	51	White/Black paired with Green	77	White/Orange paired with Yellow	102	White/Blue paired with Red
26	Red paired with Yellow	52	White/Black paired with Blue				

CHART C

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Blue paired with White	14	Orange/Slate paired with White	27	Blue/Orange paired with Red	40	Slate/White paired with Red
2	Orange paired with White	15	Green/White paired with White	28	Blue/Green paired with Red	41	Blue paired with Black
3	Green paired with White	16	Green/Brown paired with White	29	Blue/Brown paired with Red	42	Orange paired with Black
4	Brown paired with White	17	Green/Slate paired with White	30	Blue/Slate paired with Red	43	Green paired with Black
5	Slate paired with White	18	Brown/White paired with White	31	Orange/White paired with Red	44	Brown paired with Black
6	Blue/White paired with White	19	Brown/Slate paired with White	32	Orange/Green paired with Red	45	Slate paired with Black
7	Blue/Orange paired with White	20	Slate/White paired with White	33	Orange/Brown paired with Red	46	Blue/White paired with Black
8	Blue/Green paired with White	21	Blue paired with Red	34	Orange/Slate paired with Red	47	Blue/Orange paired with Black
9	Blue/Brown paired with White	22	Blue paired with Red	35	Green/White paired with Red	48	Blue/Green paired with Black
10	Blue/Slate paired with White	23	Green paired with Red	36	Green/Brown paired with Red	49	Blue/Brown paired with Black
11	Orange/White paired with White	24	Brown paired with Red	37	Green/Slate paired with Red	50	Blue/Slate paired with Black
12	Orange/Green paired with White	25	Slate paired with Red	38	Brown/White paired with Red	51	Orange/White paired with Black
13	Orange/Brown paired with White	26	Blue/White paired with Red	39	Brown/Slate paired with Red		