

# XTRA•GUARD® 4

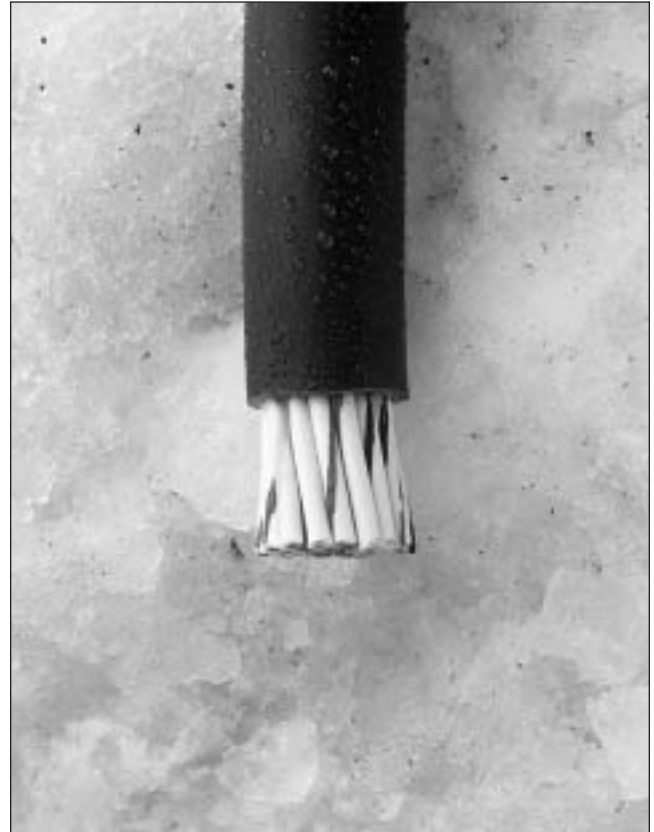
## EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

***NOW CSA AWM I A/B II A/B FT1 CERTIFIED!***

Specify **XTRA•GUARD® 4** for unmatched cable performance in both high and low temperature cable applications from  $-60^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ . **XTRA•GUARD® 4** has outstanding resistance to oils, fuels, solvents, water, low HCL content for safety and passes the 210,000<sup>††</sup> BTU Flame Test. **XTRA•GUARD® 4** features fully color-coded TPE (Thermoplastic Elastomer) insulated conductors and a TPE jacket in both 300 Volt and 600 Volt UL cable styles. **XTRA•GUARD® 4** is CSA Certified and UL Rated Type TC 600 Volt and Type PLTC 300 Volt for cable tray applications and is Pennsylvania Bureau Deep Mine Safety Approved (P-MWMS-1-85) for mine-wide monitoring systems.

### APPLICATIONS

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls



### **FIT® TUBING RECOMMENDATION**

**FIT®-600** – Highly Flexible, Irradiated Elastomer (See Page 131 for Product Specifications)

**FIT®-400** – Temperature/Chemical Resistant FEP Teflon®  
(See Page 129 for Product Specifications)

<sup>††</sup>300 Volt construction only.

Teflon® is a registered trademark of E.I. DuPont Co.



# XTRA·GUARD® 4

## MULTIPAIR, SUPRASHIELD®

EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

UL TYPE PLTC  
UL AWM STYLE 20237  
CSA AWM I A/B II A/B FT1  
RoHS COMPLIANT  
300 VOLT

### CHOOSE XTRA·GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -40°C to 125°C
- Resistance to Oils, Fuels, Solvents and Water
- UL Recognition, UL Listing and CSA Certification
- Unmatched Flame Resistant Insulation and Jacket
- Ultraviolet Light Stability (jacket color black)
- **SUPRASHIELD** – Twice as Effective as Foil Shielding

### XTRA·GUARD 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- -40°C to 125°C

#### VOLTAGE RATING:

- 300 Volt

#### COLOR DESCRIPTION:

- Color Code: Chart B Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

#### PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Thermoplastic Elastomer
- **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: Thermoplastic Elastomer

### SPECIFICATIONS

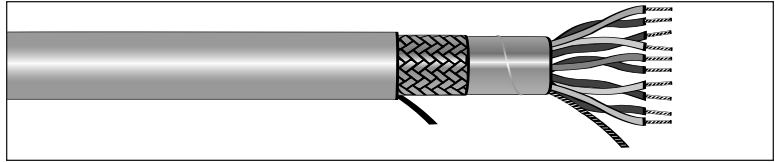
- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- Passes 210,000 BTU Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85
- RoHS Compliant



### AVAILABILITY

- ▲ In Stock: 500 ft (152m) and 1000 ft (305m) put-ups, check for jacket color availability
- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

Teflon® is a registered trademark of E.I. DuPont Co.



**24 AWG** (0,23mm<sup>2</sup>), **7/32** (7x0,20mm), Insulation Thickness: **0.016"** (0,41mm)

XTRA·GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45271	1	0.042	1,07	0.227	5,77
▲ 45272	2	0.042	1,07	0.299	7,59
45273	3	0.042	1,07	0.313	7,95
45274	4	0.042	1,07	0.337	8,56
45275	5	0.042	1,07	0.364	9,25
45276	6	0.042	1,07	0.392	9,96
45279	9	0.042	1,07	0.449	11,40
45279/11	11	0.042	1,07	0.482	12,24
45279/15	15	0.042	1,07	0.537	13,64
45279/19	19	0.053	1,35	0.597	15,16

24 AWG – UL AWM STYLE 20237, CSA AWM I A/B II A/B FT1 ONLY

**22 AWG** (0,35mm<sup>2</sup>), **7/30** (7x0,25mm), Insulation Thickness: **0.016"** (0,41mm)

XTRA·GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45121	1	0.045	1,14	0.245	6,22
▲ 45122	2	0.045	1,14	0.324	8,23
▲ 45123	3	0.045	1,14	0.340	8,64
45124	4	0.045	1,14	0.367	9,32
▲ 45125	5	0.055	1,40	0.417	10,59
45126	6	0.055	1,40	0.448	11,38
45129	9	0.055	1,40	0.511	12,98
45129/11	11	0.055	1,40	0.548	13,92
45129/15	15	0.065	1,65	0.628	15,95
45129/19	19	0.065	1,65	0.676	17,17

#### FIT® TUBING RECOMMENDATION

**FIT®-600** – Highly Flexible, Irradiated Elastomer (See Page 131 for Product Specifications)

**FIT®-400** – Temperature/Chemical Resistant FEP Teflon®

(See Page 129 for Product Specifications)

# TECHNICAL DATA

## COLOR CODE CHARTS

### MULTIPAIR CABLES

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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		