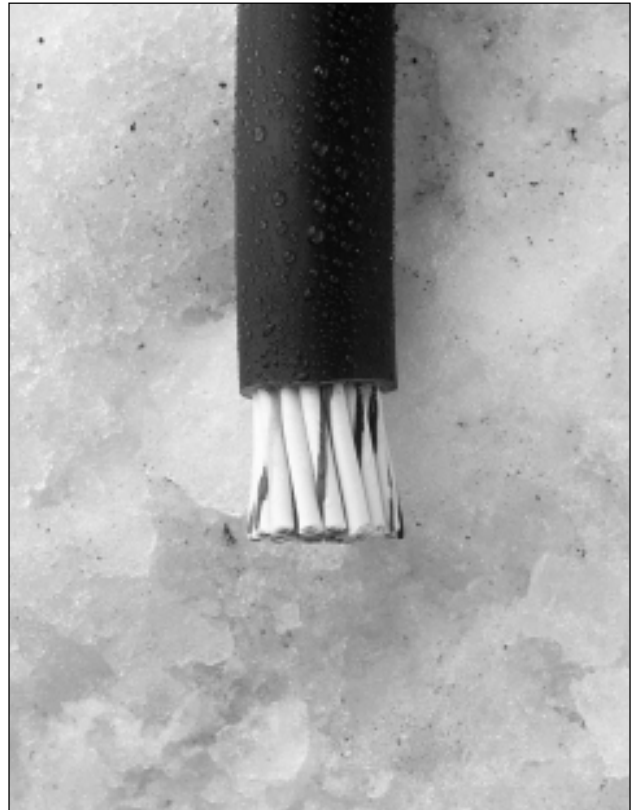


NOW CSA AWM I A/B II A/B FT1 CERTIFIED!

Specify **XTRA GUARD® 4** for unmatched cable performance in both high and low temperature cable applications from -60°C to 125°C . **XTRA GUARD® 4** has outstanding resistance to oils, fuels, solvents, water, low HCL content for safety and passes the 210,000^{††} 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 [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

Product Type

Page Number (s)

Multiconductor, Unshielded 300 Volt	64, 65
Multiconductor, Unshielded 600 Volt	66
Multiconductor, Foil Shield 300 Volt	67, 68
Multiconductor, Foil Shield 600 Volt	69
Multiconductor, SUPRASHIELD® (Foil/Braid) 300 Volt	70, 71
Multiconductor, SUPRASHIELD® (Foil/Braid) 600 Volt	72
Multipair, Unshielded 300 Volt	73
Multipair, Foil Shield 300 Volt	74, 75
Multipair, SUPRASHIELD® (Foil/Braid) 300 Volt	76, 77

[†]If TC, PLTC required, please specify when ordering.

^{††}300 Volt construction only.

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

MULTICONDUCTOR, UNSHIELDED EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

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

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)

XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

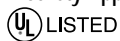
- Color Code: 24, 22 AWG Chart E [Doc#7397](#) Page 375, 20 AWG Chart D [Doc#7397](#) Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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



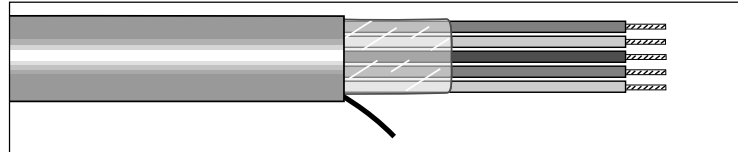
Canadian Standards Association



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 (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45012	2	0.032	0,81	0.18	4,5
45013	3	0.032	0,81	0.20	5,0
45014	4	0.032	0,81	0.21	5,4
45016	6	0.032	0,81	0.24	6,1
45018	8	0.032	0,81	0.26	6,7
45020	10	0.032	0,81	0.28	7,2
45020/15	15	0.032	0,81	0.33	8,3
45020/20	20	0.032	0,81	0.36	9,3
45020/25	25	0.032	0,81	0.40	10,1

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

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45002	2	0.032	0,81	0.19	4,8
45003	3	0.032	0,81	0.21	5,4
45004	4	0.032	0,81	0.23	5,9
45006	6	0.032	0,81	0.26	6,7
45008	8	0.032	0,81	0.29	7,3
45010	10	0.032	0,81	0.31	7,9
45010/15	15	0.032	0,81	0.36	9,2
▲ 45010/20	20	0.032	0,81	0.40	10,2
45010/25	25	0.032	0,81	0.44	11,2

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45052	2	0.032	0,81	0.20	5,1
45053	3	0.032	0,81	0.22	5,7
45054	4	0.032	0,81	0.24	6,2
45056	6	0.032	0,81	0.28	7,1
45058	8	0.032	0,81	0.31	7,8
45060	10	0.032	0,81	0.33	8,4
45060/15	15	0.032	0,81	0.39	9,8
45060/20	20	0.032	0,81	0.43	10,9
45060/25	25	0.032	0,81	0.47	11,9

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

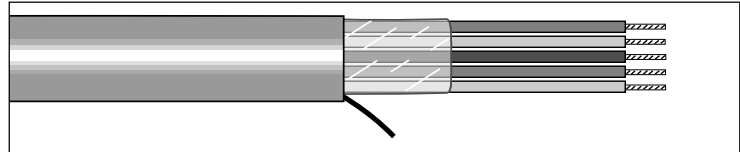
FOR COMPLETE PRODUCT PERFORMANCE DATA,
SEE TECHNICAL SECTION
[Doc#7394](#)

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

MULTICONDUCTOR, UNSHIELDED EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)



XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- 60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

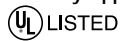
- Color Code: Chart D Doc#7397 Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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



Canadian Standards Association



AVAILABILITY

- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

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

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
45062, 45062/1*	2	0.032	0,81	0.22	5,6
45063, 45063/1*	3	0.032	0,81	0.25	6,3
45064	4	0.032	0,81	0.27	6,9
45066	6	0.032	0,81	0.31	7,9
45068	8	0.032	0,81	0.34	8,7
45070	10	0.032	0,81	0.37	9,4
45070/15	15	0.032	0,81	0.43	11,0
45070/20	20	0.032	0,81	0.48	12,3
45070/25	25	0.032	0,81	0.53	13,5

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
45072, 45072/1*	2	0.032	0,81	0.25	6,3
45073, 45073/1*	3	0.032	0,81	0.28	7,1
45074	4	0.032	0,81	0.31	7,8
45076	6	0.032	0,81	0.35	9,0
45078	8	0.032	0,81	0.39	10,0
45080	10	0.032	0,81	0.43	10,9
45080/15	15	0.032	0,81	0.50	12,7
45080/20	20	0.032	0,81	0.56	14,3
45080/25	25	0.053	1,35	0.66	16,7

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

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See Doc#7371 Page 131 for Product Specifications)

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

(See Doc#7371 Page 129 for Product Specifications)

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

MULTICONDUCTOR, UNSHIELDED EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

UL TYPE TC, UL AWM STYLE 20238
CSA AWM I A/B II A/B FT1
600 VOLT

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60° 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)

XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 600 Volt

COLOR DESCRIPTION:

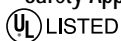
- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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

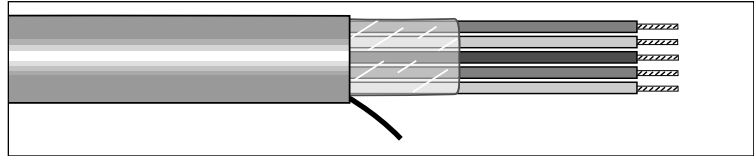
SPECIFICATIONS

- UL AWM Style 20238
- UL Type TC
- CSA AWM I A/B II A/B FT1
- Passes UL Vertical Tray Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum



18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45422	2	0.063	1,60	0.35	8,9
45423	3	0.063	1,60	0.37	9,3
45424	4	0.063	1,60	0.41	10,3
45425	5	0.063	1,60	0.44	11,1
45427	7	0.063	1,60	0.46	11,7
45429	9	0.063	1,60	0.54	13,6

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45432	2	0.063	1,60	0.38	9,5
45433	3	0.063	1,60	0.40	10,0
45434	4	0.063	1,60	0.44	11,2
45435	5	0.063	1,60	0.47	12,0
45437	7	0.063	1,60	0.50	12,6
45439	9	0.063	1,60	0.58	14,8

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45442	2	0.063	1,60	0.40	10,2
45443	3	0.063	1,60	0.43	10,8
45444	4	0.063	1,60	0.47	12,0
45445	5	0.063	1,60	0.51	12,9
45447	7	0.063	1,60	0.54	13,7

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

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

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

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

MULTICONDUCTOR, FOIL SHIELD EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)

XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

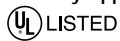
- Color Code: 24, 22 AWG Chart E [Doc#7397](#) Page 375, 20 AWG Chart D [Doc#7397](#) Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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

SPECIFICATIONS

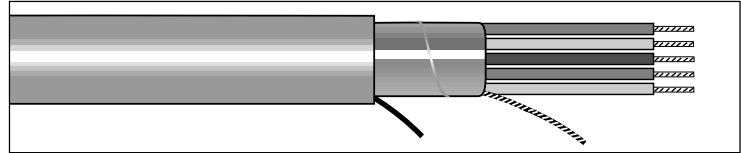
- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- Passes 210,000 BTU Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



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 (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45092	2	0.032	0,81	0.18	4,6
45093	3	0.032	0,81	0.20	5,1
45094	4	0.032	0,81	0.22	5,5
▲ 45096	6	0.032	0,81	0.24	6,2
45098	8	0.032	0,81	0.27	6,8
45100	10	0.032	0,81	0.29	7,3
45100/15	15	0.032	0,81	0.33	8,4
45100/20	20	0.032	0,81	0.37	9,4
45100/25	25	0.032	0,81	0.40	10,2

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

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45192	2	0.032	0,81	0.19	4,9
45193	3	0.032	0,81	0.22	5,5
45194	4	0.032	0,81	0.23	6,0
45196	6	0.032	0,81	0.27	6,8
45198	8	0.032	0,81	0.29	7,4
45199/10	10	0.032	0,81	0.32	8,0
45199/15	15	0.032	0,81	0.37	9,3
45199/20	20	0.032	0,81	0.41	10,3
45199/25	25	0.032	0,81	0.44	11,3

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45462	2	0.032	0,81	0.20	5,2
▲ 45463	3	0.032	0,81	0.23	5,8
▲ 45464	4	0.032	0,81	0.25	6,3
45466	6	0.032	0,81	0.28	7,2
▲ 45468	8	0.032	0,81	0.31	7,9
45470	10	0.032	0,81	0.34	8,5
45470/15	15	0.032	0,81	0.39	9,9
▲ 45470/20	20	0.032	0,81	0.43	11,0
45470/25	25	0.032	0,81	0.47	12,0
▲ 45470/40	40	0.053	1,35	0.62	15,6

Additional AWG sizes on next page

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

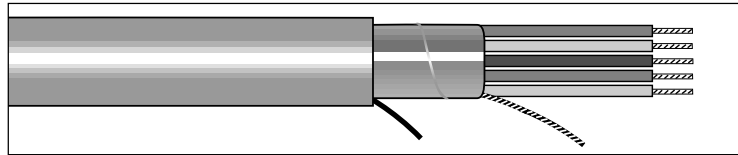
**FOR COMPLETE PRODUCT PERFORMANCE DATA,
SEE TECHNICAL SECTION
[Doc#7394](#)**

MULTICONDUCTOR, FOIL SHIELD
EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

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

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)



XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart D Doc#7397 Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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



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.

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness Inches	Nominal Diameter mm	Inches	mm
45382, 45382/1*	2	0.032	0,81	0.22	5,7
45383, 45383/1*	3	0.032	0,81	0.25	6,4
45384	4	0.032	0,81	0.27	7,0
45386	6	0.032	0,81	0.31	8,0
45388	8	0.032	0,81	0.35	8,8
45390	10	0.032	0,81	0.38	9,5
45390/15	15	0.032	0,81	0.44	11,1
45390/20	20	0.032	0,81	0.49	12,4
45390/25	25	0.032	0,81	0.53	13,6
45390/30	30	0.053	1,35	0.62	15,7

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness Inches	Nominal Diameter mm	Inches	mm
▲ 45362, 45362/1*	2	0.032	0,81	0.25	6,4
45363, 45363/1*	3	0.032	0,81	0.28	7,2
45364	4	0.032	0,81	0.31	7,9
45366	6	0.032	0,81	0.36	9,1
45368	8	0.032	0,81	0.40	10,1
45370	10	0.032	0,81	0.43	11,0
45370/15	15	0.032	0,81	0.50	12,8
45370/20	20	0.032	0,81	0.62	15,7
45370/25	25	0.053	1,35	0.66	16,8

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

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See Doc#7371 Page 131 for Product Specifications)

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

(See Doc#7371 Page 129 for Product Specifications)

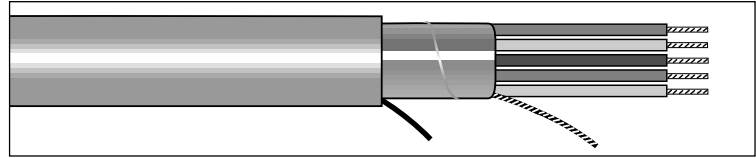
FOR COMPLETE PRODUCT PERFORMANCE DATA, SEE TECHNICAL SECTION Doc#7394

UL TYPE TC, UL AWM STYLE 20238
CSA AWM I A/B II A/B FT1
600 VOLT

MULTICONDUCTOR, FOIL SHIELD EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

CHOOSE XTRA GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)



XTRA GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- 60°C to 125°C

VOLTAGE RATING:

- 600 Volt

COLOR DESCRIPTION:

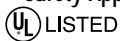
- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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

SPECIFICATIONS

- UL AWM Style 20238
- UL Type TC
- CSA AWM I A/B II A/B FT1
- Passes UL Vertical Tray Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



Canadian Standards Association



AVAILABILITY

- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

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

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45430/2	2	0.063	1,60	0.36	9,0
45430/3	3	0.063	1,60	0.37	9,5
45430/4	4	0.063	1,60	0.41	10,5
45430/5	5	0.063	1,60	0.44	11,3
45430/7	7	0.063	1,60	0.47	11,8
45430/9	9	0.063	1,60	0.54	13,8
45430/12	12	0.063	1,60	0.60	15,5

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45440/2	2	0.063	1,60	0.38	9,7
45440/3	3	0.063	1,60	0.40	10,2
45440/5	5	0.063	1,60	0.48	12,2
45440/7	7	0.063	1,60	0.50	12,8
45440/9	9	0.063	1,60	0.59	15,0
45440/12	12	0.063	1,60	0.65	16,6

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45450/2	2	0.063	1,60	0.41	10,4
45450/3	3	0.063	1,60	0.43	11,0
45450/5	5	0.063	1,60	0.52	13,2
45450/7	7	0.063	1,60	0.55	13,9
45450/15	15	0.063	1,60	0.78	19,8

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

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

MULTICONDUCTOR, SUPRASHIELD®
EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

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

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

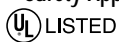
- Color Code: 24, 22 AWG Chart E [Doc#7397](#) Page 375, 20 AWG Chart D [Doc#7397](#) Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

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

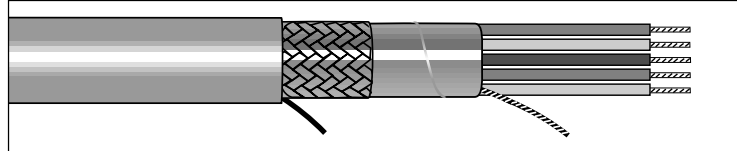
- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- Passes 210,000 BTU Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



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 (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45112	2	0.032	0,81	0.20	5,1
45113	3	0.032	0,81	0.22	5,6
45114	4	0.032	0,81	0.24	6,0
45116	6	0.032	0,81	0.27	6,7
45118	8	0.032	0,81	0.29	7,3
45120	10	0.032	0,81	0.31	7,9
45120/15	15	0.032	0,81	0.35	9,0
45120/20	20	0.032	0,81	0.39	9,9
45120/25	25	0.032	0,81	0.42	10,7

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

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45102	2	0.032	0,81	0.22	5,5
45103	3	0.032	0,81	0.24	6,0
▲ 45104	4	0.032	0,81	0.26	6,5
45106	6	0.032	0,81	0.29	7,3
45108	8	0.032	0,81	0.31	8,0
45110	10	0.032	0,81	0.34	8,6
45110/15	15	0.032	0,81	0.39	9,8
45110/20	20	0.032	0,81	0.43	10,9
45110/25	25	0.032	0,81	0.47	11,8

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45152	2	0.032	0,81	0.23	5,7
45153	3	0.032	0,81	0.25	6,3
45154	4	0.032	0,81	0.27	6,9
▲ 45156	6	0.032	0,81	0.30	7,7
45158	8	0.032	0,81	0.33	8,4
45160	10	0.032	0,81	0.36	9,1
45160/15	15	0.032	0,81	0.41	10,4
45160/20	20	0.032	0,81	0.46	11,6
45160/25	25	0.032	0,81	0.50	12,6

FIT TUBING RECOMMENDATION

FIT-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

FIT-400 – Temperature/Chemical Resistant FEP Teflon®

(See [Doc#7371](#) Page 129 for Product Specifications)

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

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

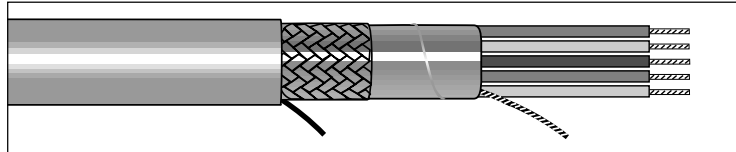
**MULTICONDUCTOR, SUPRASHIELD®
EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET**

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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



18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
45162, 45162/1*	2	0.032	0,81	0.25	6,2
45163, 45163/1*	3	0.032	0,81	0.27	6,9
45164	4	0.032	0,81	0.30	7,5
45166	6	0.032	0,81	0.34	8,5
45168	8	0.032	0,81	0.37	9,4
45170	10	0.032	0,81	0.40	10,1
45170/15	15	0.032	0,81	0.46	11,7
45170/20	20	0.032	0,81	0.51	13,0
45170/25	25	0.032	0,81	0.56	14,1
45170/30	30	0.053	1,35	0.64	16,3

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart D [Doc#7397](#) Page 375
- 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

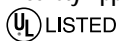
16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness Inches	Jacket Thickness mm	Nominal Diameter Inches	Nominal Diameter mm
45172, 45172/1*	2	0.032	0,81	0.27	7,0
45173, 45173/1*	3	0.032	0,81	0.31	7,8
45174	4	0.032	0,81	0.33	8,5
45176	6	0.032	0,81	0.38	9,7
45178	8	0.032	0,81	0.42	10,6
45180	10	0.032	0,81	0.45	11,5
45180/15	15	0.032	0,81	0.53	13,4
45180/20	20	0.053	1,35	0.63	16,0
45180/25	25	0.053	1,35	0.68	17,4

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

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



AVAILABILITY

- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

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

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

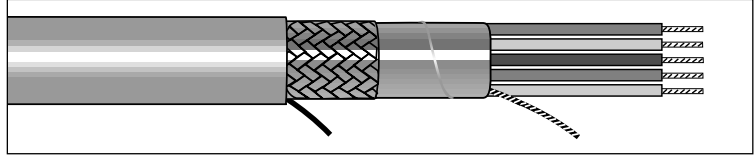
**FOR COMPLETE PRODUCT PERFORMANCE DATA,
SEE TECHNICAL SECTION
[Doc#7394](#)**

MULTICONDUCTOR, SUPRASHIELD® EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

UL TYPE TC, UL AWM STYLE 20238
CSA AWM I A/B II A/B FT1
600 VOLT

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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:

- -60°C to 125°C

VOLTAGE RATING:

- 600 Volt

COLOR DESCRIPTION:

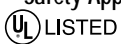
- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

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 20238
- UL Type TC
- CSA AWM I A/B II A/B FT1
- Passes UL Vertical Tray Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- Made-To-Order: All available jacket colors, 1,000 ft (305m) minimum

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

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45522	2	0.063	1,60	0.37	9,5
45523	3	0.063	1,60	0.39	10,0
45524	4	0.063	1,60	0.43	10,9
45525	5	0.063	1,60	0.46	11,7
45527	7	0.063	1,60	0.48	12,3
45529	9	0.063	1,60	0.56	14,2
45529/12	12	0.063	1,60	0.62	15,6

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45532	2	0.063	1,60	0.40	10,2
45533	3	0.063	1,60	0.42	10,7
45534	4	0.063	1,60	0.46	11,8
45535	5	0.063	1,60	0.50	12,6
45537	7	0.063	1,60	0.52	13,3
45539	9	0.063	1,60	0.61	15,5
45539/12	12	0.063	1,60	0.68	17,2

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

XTRA•GUARD 4 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45542	2	0.063	1,60	0.43	10,9
45543	3	0.063	1,60	0.45	11,5
45544	4	0.063	1,60	0.50	12,7
45545	5	0.063	1,60	0.54	13,7
45547	7	0.063	1,60	0.57	14,4
45549	9	0.063	1,60	0.66	16,8

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

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

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

MULTIPAIR, UNSHIELDED
EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)



18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45031	1	0.032	0,81	0.22	5,6
45032	2	0.032	0,81	0.25	6,3

XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

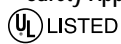
- Color Code: Chart B Doc#7397 Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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



Canadian Standards Association



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.

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See Doc#7371 Page 131 for Product Specifications)

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

(See Doc#7371 Page 129 for Product Specifications)

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

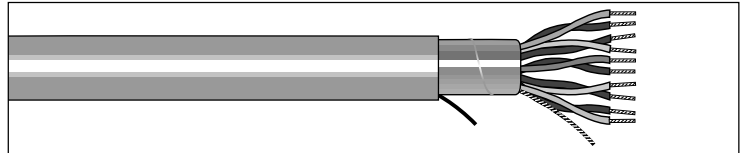
MULTIPAIR, FOIL SHIELD

EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

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

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)



XTRA•GUARD 4 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

24 AWG (0,23mm²), 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
45491	1	0.032	0,81	0.18	4,6
45492	2	0.032	0,81	0.24	6,0
45493	3	0.032	0,81	0.27	6,8
45494	4	0.032	0,81	0.30	7,5
45495	5	0.032	0,81	0.32	8,1
45496	6	0.032	0,81	0.34	8,7
45499	9	0.032	0,81	0.40	10,0
45499/11	11	0.032	0,81	0.43	10,8
45499/15	15	0.032	0,81	0.48	12,2
45499/27	27	0.032	0,81	0.64	16,4

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

CHARACTERISTICS

OPERATING TEMPERATURE:

- 60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart B Doc#7397 Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

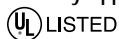
- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Thermoplastic Elastomer
- Shield: Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Nylon Rip Cord for Ease of Jacket Stripping
- Jacket: Thermoplastic Elastomer

22 AWG (0,35mm²), 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
45481	1	0.032	0,81	0.19	4,8
45482	2	0.032	0,81	0.26	6,5
▲ 45483	3	0.032	0,81	0.29	7,5
45484	4	0.032	0,81	0.33	8,3
45485	5	0.032	0,81	0.35	8,9
45486	6	0.032	0,81	0.38	9,6
45489	9	0.032	0,81	0.44	11,1
45489/11	11	0.032	0,81	0.47	12,0
45489/15	15	0.032	0,81	0.53	13,5

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



Canadian Standards Association



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

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See Doc#7371 Page 131 for Product Specifications)

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

(See Doc#7371 Page 129 for Product Specifications)

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

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

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

MULTIPAIR, FOIL SHIELD
EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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)

XTRA•GUARD 4 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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

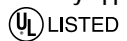
- Color Code: Chart B [Doc#7397](#) Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

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



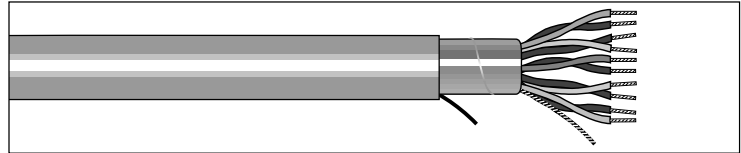
Canadian Standards Association



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.



20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45451	1	0.032	0,81	0.20	5,1
45452	2	0.032	0,81	0.27	6,9
45453	3	0.032	0,81	0.31	8,0
45454	4	0.032	0,81	0.35	8,8
45455	5	0.032	0,81	0.38	9,5
45456	6	0.032	0,81	0.40	10,2
45459	9	0.032	0,81	0.47	11,9
45459/11	11	0.032	0,81	0.50	12,8
45459/15	15	0.053	1,35	0.61	15,5
45459/19	19	0.053	1,35	0.67	16,9
45459/27	27	0.053	1,35	0.76	19,4

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

XTRA•GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45371	1	0.032	0,81	0.22	5,6
45372	2	0.032	0,81	0.30	7,7
45373	3	0.032	0,81	0.35	8,9
45374	4	0.032	0,81	0.39	9,9
45375	5	0.032	0,81	0.42	10,7
45376	6	0.032	0,81	0.45	11,5
45379	9	0.032	0,81	0.53	13,4
45379/11	11	0.053	1,35	0.61	15,5
45379/15	15	0.053	1,35	0.69	17,4
45379/19	19	0.053	1,35	0.75	19,1

FIT® TUBING RECOMMENDATION

FIT-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

FIT-400 – Temperature/Chemical Resistant FEP Teflon®

(See [Doc#7371](#) Page 129 for Product Specifications)

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

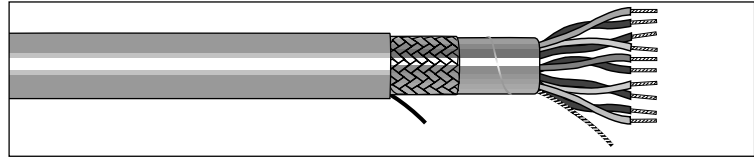
MULTIPAIR, SUPRASHIELD®

EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

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

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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

24 AWG (0,23mm²), **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	0.032	0,81	0.20	5,1
▲ 45272	2	0.032	0,81	0.26	6,6
45273	3	0.032	0,81	0.29	7,4
45274	4	0.032	0,81	0.32	8,1
45275	5	0.032	0,81	0.34	8,7
45276	6	0.032	0,81	0.36	9,2
45279	9	0.032	0,81	0.42	10,6
45279/11	11	0.032	0,81	0.45	11,4
45279/15	15	0.032	0,81	0.50	12,7
45279/19	19	0.032	0,81	0.55	13,9

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

CHARACTERISTICS

OPERATING TEMPERATURE:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart B [Doc#7397](#) Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

PRODUCT DESCRIPTION:

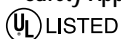
- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Thermoplastic Elastomer
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Nylon Rip Cord for Ease of Jacket Stripping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

22 AWG (0,35mm²), **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	0.032	0,81	0.22	5,6
▲ 45122	2	0.032	0,81	0.28	7,1
▲ 45123	3	0.032	0,81	0.32	8,0
45124	4	0.032	0,81	0.35	8,8
▲ 45125	5	0.032	0,81	0.37	9,5
45126	6	0.032	0,81	0.40	10,1
45129	9	0.032	0,81	0.46	11,7
45129/11	11	0.032	0,81	0.49	12,5
45129/15	15	0.032	0,81	0.55	14,1
45129/19	19	0.053	1,35	0.65	16,4

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



Canadian Standards Association

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.

FIT® TUBING RECOMMENDATION

FIT®-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

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

(See [Doc#7371](#) Page 129 for Product Specifications)

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

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

MULTIPAIR, SUPRASHIELD®
EXTRA-PROTECTION, HIGH/LOW TEMPERATURE TPE JACKET

CHOOSE XTRA•GUARD 4 FOR:

- Three Times the Low-Temperature Flexibility of Conventional PVC
- Unmatched Performance at Temperatures from -60°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:

- -60°C to 125°C

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

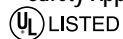
- Color Code: Chart B [Doc#7397](#) Page 374
- Jacket Colors: Yellow, Orange, Blue, Green, Red, Black, White and Gray

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



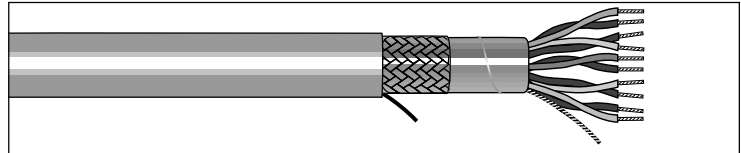
Canadian Standards Association



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.



20 AWG (0,56mm²), **7/28** (7x0,32mm), Insulation Thickness: **0.016"** (0,41mm)

XTRA•GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45291	1	0.032	0,81	0.23	5,8
45292	2	0.032	0,81	0.29	7,5
45293	3	0.032	0,81	0.34	8,5
45294	4	0.032	0,81	0.37	9,4
45295	5	0.032	0,81	0.40	10,1
45296	6	0.032	0,81	0.42	10,8
45299	9	0.032	0,81	0.49	12,4
45299/11	11	0.032	0,81	0.53	13,4
45299/15	15	0.053	1,35	0.63	16,1

18 AWG (0,81mm²), **16/30** (16x0,25mm), Insulation Thickness: **0.016"** (0,41mm)

XTRA•GUARD 4 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
▲ 45131	1	0.032	0,81	0.25	6,4
▲ 45132	2	0.032	0,81	0.33	8,3
45133	3	0.032	0,81	0.37	9,4
45134	4	0.032	0,81	0.41	10,4
45135	5	0.032	0,81	0.44	11,3
45136	6	0.032	0,81	0.47	12,0
45139	9	0.032	0,81	0.61	15,5
45139/11	11	0.032	0,81	0.63	16,1
45139/15	15	0.032	0,81	0.71	18,0

FIT: TUBING RECOMMENDATION

FIT-600 – Highly Flexible, Irradiated Elastomer (See [Doc#7371](#) Page 131 for Product Specifications)

FIT-400 – Temperature/Chemical Resistant FEP Teflon®

(See [Doc#7371](#) Page 129 for Product Specifications)

**FOR COMPLETE PRODUCT PERFORMANCE DATA,
SEE TECHNICAL SECTION
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