

Specify **XTRA GUARD® 5** FEP Teflon® cables for unmatched performance at temperatures from -80°C to 200°C. **XTRA GUARD® 5** is 100% impervious to all chemicals, acids, fuels, solvents and water and has a 20 - 30% smaller cable diameter than conventional cables and low friction jacket for ease of cable routing. **XTRA GUARD® 5** features fully color-coded FEP Teflon® insulated conductors and is available in 300 Volt UL and CSA cable styles. **XTRA GUARD® 5** is Pennsylvania Bureau Deep Mine Safety Approved (P-MWMS-1-85) for mine-wide monitoring systems.



APPLICATIONS

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

FIT® TUBING RECOMMENDATION

FIT®-650 – Chemical and Temperature Resistant Irradiated Viton® (See Doc#7371 Page 132 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	80, 81
Multiconductor, Foil Shield 300 Volt	82, 83
Multiconductor, SUPRASHIELD® (Foil/Braid) 300 Volt	84, 85
Multipair, Unshielded 300 Volt	86
Multipair, Foil Shield 300 Volt	87
Multipair, SUPRASHIELD® (Foil/Braid) 300 Volt	88

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

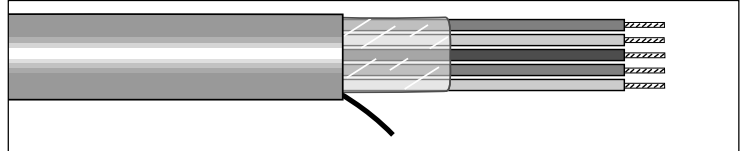
MULTICONDUCTOR, UNSHIELDED

EXTRA HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

UL TYPE CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing



XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- 80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart E Doc#7397 Page 375
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- Core Wrap: High Temperature Tape
- Jacket: FEP Teflon®

SPECIFICATIONS

- UL Type CMP
- AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MMMS-1-85



Canadian Standards Association

AVAILABILITY

- Made-To-Order only, 1000 ft minimum

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55012	2	0.025	0,64	0.15	3,8
55013	3	0.025	0,64	0.17	4,2
55014	4	0.025	0,64	0.18	4,6
55016	6	0.025	0,64	0.20	5,1
55019	9	0.025	0,64	0.23	5,8
55020/12	12	0.025	0,64	0.25	6,4

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55002	2	0.025	0,64	0.16	4,2
55003	3	0.025	0,64	0.18	4,6
55004	4	0.025	0,64	0.20	5,0
55006	6	0.025	0,64	0.22	5,7
55009	9	0.025	0,64	0.26	6,5
55010/12	12	0.025	0,64	0.28	7,2

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55052	2	0.025	0,64	0.18	4,5
55053	3	0.025	0,64	0.20	5,1
55054	4	0.025	0,64	0.22	5,5
55056	6	0.025	0,64	0.25	6,3
55059	9	0.025	0,64	0.28	7,2
55060/12	12	0.025	0,64	0.31	8,0

Teflon® is a registered trademark of E.I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

FIT TUBING RECOMMENDATION

FIT-650 – Chemical and Temperature Resistant Irradiated Viton® (See Doc#7371 Page 132 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 CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT**

MULTICONDUCTOR, UNSHIELDED

EXTRA HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- Core Wrap: High Temperature Tape
- Jacket: FEP Teflon®

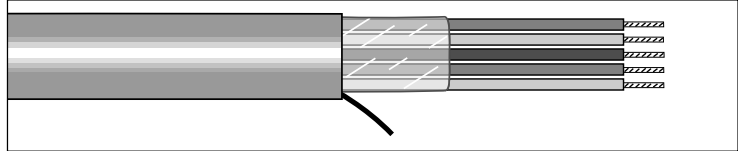
SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- Made-To-Order only, 1000 ft minimum



18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55062	2	0.025	0,64	0.20	5,0
55063	3	0.025	0,64	0.21	5,3
55064	4	0.025	0,64	0.23	5,8
55066	6	0.025	0,64	0.26	6,6
55069	9	0.025	0,64	0.31	7,9
55070/12	12	0.025	0,64	0.35	8,9

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55072	2	0.025	0,64	0.22	5,5
55073	3	0.025	0,64	0.25	6,3
55074	4	0.025	0,64	0.27	6,9
55076	6	0.025	0,64	0.31	7,9
55079	9	0.025	0,64	0.36	9,1
55080/12	12	0.025	0,64	0.40	10,2

Teflon® is a registered trademark of E.I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT®-650 – Chemical and Temperature Resistant Irradiated Viton® (See [Doc#7371](#) Page 132 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 HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

UL TYPE CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: FEP Teflon®

SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85

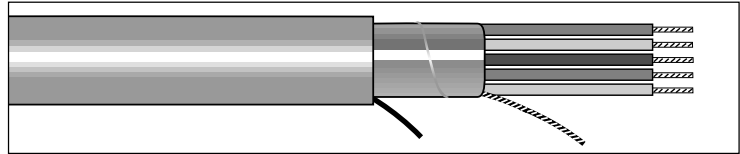


Canadian Standards Association



AVAILABILITY

- Made-To-Order only, 1000 ft minimum



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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55092	2	0.025	0,64	0.15	3,7
55093	3	0.025	0,64	0.16	4,1
55094	4	0.025	0,64	0.18	4,5
55096	6	0.025	0,64	0.20	5,0
55099	9	0.025	0,64	0.23	5,8
55100/12	12	0.025	0,64	0.25	6,8

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55192	2	0.025	0,64	0.16	4,1
55193	3	0.025	0,64	0.18	4,5
55194	4	0.025	0,64	0.19	4,9
55196	6	0.025	0,64	0.22	5,6
55199	9	0.025	0,64	0.25	6,4
55199/12	12	0.025	0,64	0.28	7,1

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55462	2	0.025	0,64	0.17	4,4
55463	3	0.025	0,64	0.20	5,0
55464	4	0.025	0,64	0.21	5,4
55466	6	0.025	0,64	0.24	6,2
55469	9	0.025	0,64	0.28	7,1
55470/12	12	0.025	0,64	0.31	7,9

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

Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT®-650 – Chemical and Temperature Resistant Irradiated Viton® (See [Doc#7371](#) Page 132 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 CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

MULTICONDUCTOR, FOIL SHIELD EXTRA HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

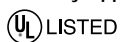
- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: FEP Teflon®

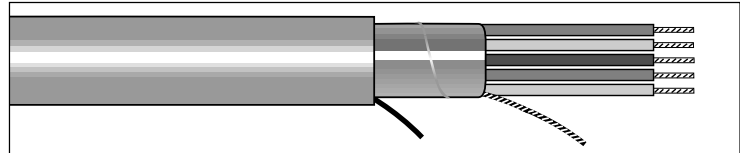
SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- Made-To-Order only, 1000 ft minimum



18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55382	2	0.025	0,64	0.19	4,9
55383	3	0.025	0,64	0.22	5,6
55384	4	0.025	0,64	0.24	6,1
55386	6	0.025	0,64	0.27	7,0
55389	9	0.025	0,64	0.32	8,1
55390/12	12	0.025	0,64	0.35	9,0

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55362	2	0.025	0,64	0.21	5,4
55363	3	0.025	0,64	0.24	6,2
55364	4	0.025	0,64	0.27	6,8
55366	6	0.025	0,64	0.31	7,8
55369	9	0.025	0,64	0.36	9,0
55370/12	12	0.025	0,64	0.40	10,1

Teflon® is a registered trademark of E.I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT®-650 – Chemical and Temperature Resistant Irradiated Viton® (See [Doc#7371](#) Page 132 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 HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

UL TYPE CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing
- SUPRASHIELD** – Twice as Effective as Foil Shielding

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- 80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

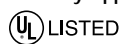
- Color Code: Chart E Doc#7397 Page 375
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- 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
- Jacket: FEP Teflon®

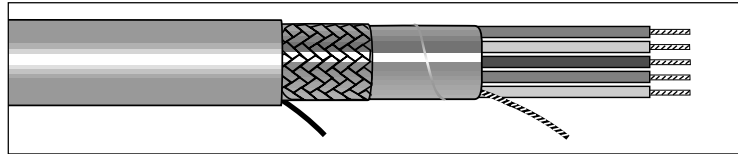
SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MMMS-1-85



AVAILABILITY

- Made-To-Order only, 1000 ft minimum



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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55112	2	0.025	0,64	0.17	4,3
55113	3	0.025	0,64	0.18	4,7
55114	4	0.025	0,64	0.20	5,0
55116	6	0.025	0,64	0.22	5,6
55119	9	0.025	0,64	0.25	6,3
55120/12	12	0.025	0,64	0.27	6,9

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55102	2	0.025	0,64	0.18	4,6
55103	3	0.025	0,64	0.20	5,1
55104	4	0.025	0,64	0.22	5,5
55106	6	0.025	0,64	0.24	6,2
55109	9	0.025	0,64	0.27	7,0
55110/12	12	0.025	0,64	0.30	7,7

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

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55152	2	0.025	0,64	0.20	5,0
55153	3	0.025	0,64	0.22	5,5
55154	4	0.025	0,64	0.23	6,0
55156	6	0.025	0,64	0.26	6,7
55159	9	0.025	0,64	0.30	7,6
55160/12	12	0.025	0,64	0.33	8,4

Teflon® is a registered trademark of E. I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT-650 – Chemical and Temperature Resistant Irradiated Viton® (See Doc#7371 Page 132 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 CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

MULTICONDUCTOR, SUPRASHIELD® EXTRA HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing
- **SUPRASHIELD** – Twice as Effective as Foil Shielding

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

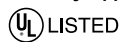
- Color Code: Chart E [Doc#7397](#) Page 375
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- **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
- Jacket: FEP Teflon®

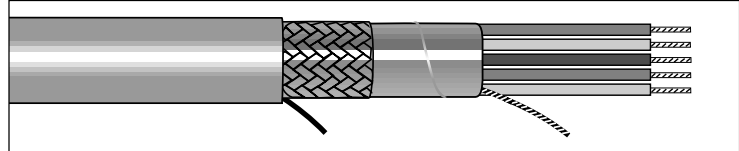
SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- Made-To-Order only, 1000 ft minimum



18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55162	2	0.025	0,64	0.22	5,5
55163	3	0.025	0,64	0.23	5,8
55164	4	0.025	0,64	0.26	6,6
55166	6	0.025	0,64	0.29	7,4
55169	9	0.025	0,64	0.34	8,6
55170/12	12	0.025	0,64	0.37	9,5

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55172	2	0.025	0,64	0.24	6,0
55173	3	0.025	0,64	0.26	6,7
55174	4	0.025	0,64	0.29	7,3
55176	6	0.025	0,64	0.33	8,3
55179	9	0.025	0,64	0.38	9,6
55180/12	12	0.025	0,64	0.42	10,6

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

Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT-650 – Chemical and Temperature Resistant Irradiated Viton® (See [Doc#7371](#) Page 132 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](#)**

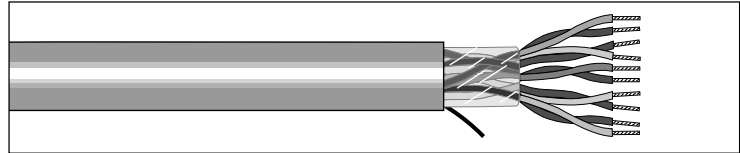
MULTIPAIR, UNSHIELDED

EXTRA HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

UL TYPE CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing



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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55021	1	0.025	0,64	0.16	4,1
55022	2	0.025	0,64	0.22	5,5
55023	3	0.025	0,64	0.25	6,3
55026	6	0.025	0,64	0.32	8,0
55029	9	0.025	0,64	0.37	9,3
55029/12	12	0.025	0,64	0.41	10,4

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

Teflon® is a registered trademark of E.I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

CHARACTERISTICS

OPERATING TEMPERATURE:

- 80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

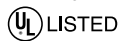
- Color Code: Chart A Doc#7397 Page 374
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- Core Wrap: High Temperature Tape
- Jacket: FEP Teflon®

SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



Canadian Standards Association

AVAILABILITY

- Made-To-Order only, 1000 ft minimum

FIT TUBING RECOMMENDATION

FIT-650 – Chemical and Temperature Resistant Irradiated Viton® (See Doc#7371 Page 132 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 CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT**

**MULTIPAIR, FOIL SHIELD
EXTRA HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET**

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- -80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

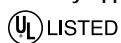
- Color Code: Chart A Doc#7397 Page 374
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- Shield: Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: FEP Teflon®

SPECIFICATIONS

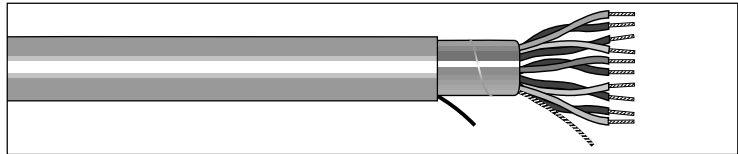
- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



Canadian Standards Association

AVAILABILITY

- Made-To-Order only, 1000 ft minimum



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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55491	1	0.025	0,64	0.15	3,8
55492	2	0.025	0,64	0.19	4,9
55493	3	0.025	0,64	0.22	5,6
55496	6	0.025	0,64	0.28	7,0
55499	9	0.025	0,64	0.32	8,2
55499/11	11	0.025	0,64	0.35	8,8

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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55481	1	0.025	0,64	0.16	4,1
55482	2	0.025	0,64	0.21	5,4
55483	3	0.025	0,64	0.24	6,2
55486	6	0.025	0,64	0.31	7,9
55489	9	0.025	0,64	0.36	9,2
55489/12	12	0.025	0,64	0.41	10,3

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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55451	1	0.025	0,64	0.17	4,3
55452	2	0.025	0,64	0.22	5,6
55453	3	0.025	0,64	0.25	6,4
55455	5	0.025	0,64	0.30	7,7
55456	6	0.025	0,64	0.32	8,2
55459	9	0.025	0,64	0.38	9,5
55459/12	12	0.025	0,64	0.42	10,6

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55371	1	0.025	0,64	0.19	4,8
55372	2	0.025	0,64	0.26	6,7
55373	3	0.025	0,64	0.31	7,8
55376	6	0.025	0,64	0.40	10,1
55379	9	0.025	0,64	0.47	11,8

Teflon® is a registered trademark of E. I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT®-650 – Chemical and Temperature Resistant Irradiated Viton® (See Doc#7371 Page 132 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 HIGH-TEMPERATURE/CHEMICAL-RESISTANT FEP TEFLON® JACKET

UL TYPE CMP
UL AWM STYLE 20229
CSA CMP FT6
300 VOLT

CHOOSE XTRA•GUARD 5 FOR:

- Unmatched Performance at Temperatures from -80°C to 200°C
- Suitable for Use in Class 1 Clean Rooms
- FDA Recognized as Food/Medical Grade (can be sterilized)
- 100% Impervious to All Chemicals, Acids, Fuels, Solvents and Water
- 20-30% Smaller Cable Diameter
- Extremely Low Friction Jacket for Ease of Routing
- SUPRASHIELD** – Twice as Effective as Foil Shielding

XTRA•GUARD 5 APPLICATIONS:

- Military Electronic Applications
- Steel, Glass and Metal Foundries
- Mining Instruments and Controls
- Food and Beverage Plants
- Clean Room Environments
- Refinery Cracker Unit Controls

CHARACTERISTICS

OPERATING TEMPERATURE:

- 80°C to 200°C (UL, CSA -150°C)

VOLTAGE RATING:

- 300 Volt

COLOR DESCRIPTION:

- Color Code: Chart A [Doc#7397](#) Page 374
- Jacket Color: Tan

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded FEP Teflon®
- 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
- Jacket: FEP Teflon®

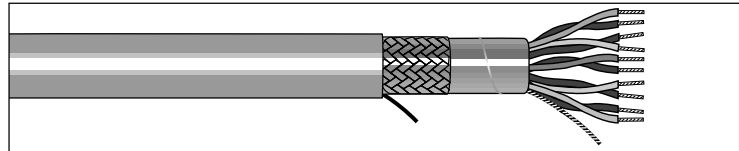
SPECIFICATIONS

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85



AVAILABILITY

- Made-To-Order only, 1000 ft minimum



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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55271	1	0.025	0,64	0.17	4,3
55272	2	0.025	0,64	0.21	5,4
55273	3	0.025	0,64	0.24	6,1
55276	6	0.025	0,64	0.30	7,6
55279	9	0.025	0,64	0.34	8,7
55279/12	12	0.025	0,64	0.38	9,6

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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55121	1	0.025	0,64	0.18	4,6
55122	2	0.025	0,64	0.24	6,0
55123	3	0.025	0,64	0.27	6,8
55126	6	0.025	0,64	0.33	8,5
55129	9	0.025	0,64	0.39	9,8
55129/12	12	0.025	0,64	0.43	10,9

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

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55291	1	0.025	0,64	0.20	5,1
55292	2	0.025	0,64	0.26	6,5
55293	3	0.025	0,64	0.29	7,4
55296	6	0.025	0,64	0.37	9,4
55299	9	0.025	0,64	0.43	10,9
55299/12	12	0.025	0,64	0.48	12,1

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

XTRA•GUARD 5 Part No.	No. of Pairs	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55131	1	0.025	0,64	0.22	5,6
55132	2	0.025	0,64	0.29	7,3
55133	3	0.025	0,64	0.33	8,3
55136	6	0.025	0,64	0.42	10,6
55139	9	0.030	0,76	0.50	12,7

Teflon® is a registered trademark of E.I. DuPont
Viton® is a registered trademark of DuPont Dow Elastomers

FIT® TUBING RECOMMENDATION

FIT-650 – Chemical and Temperature Resistant Irradiated Viton® (See [Doc#7371](#) Page 132 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](#)**