

A.
System
Overview

Corrugated Loom Tubing Fittings

- Provide a secure way to join CLT at junctions and breakouts while improving the appearance of wire harnesses

- Color: Black
- Material: Polypropylene

B1.
Cable Ties

B2.
Cable
Accessories



B3.
Stainless
Steel Ties

Part Number	Branch Diameter		Trunk Diameter		Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm		
CF382538F-Q	0.38	9.5	0.25	6.4	25	100
CF502550F-Q	0.50	12.7	0.25	6.4	25	100
CF503850F-Q	0.50	12.7	0.38	9.5	25	100
CF752575F-Q	0.75	19.1	0.25	6.4	25	100
CF753875F-Q	0.75	19.1	0.38	9.5	25	100

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

Part Number System for Braided Expandable Sleeveing

<u>SE</u>	<u>25</u>	<u>PFR</u>	<u>-</u>	<u>M</u>	<u>R</u>	<u>0</u>
Type	Nominal I.D. Size	Material		Package Size	R = Reel	Color Suffix
SE = Sleeveing Expandable	12 = 1/8" (3.2mm) 25 = 1/4" (6.4mm) 38 = 3/8" (9.5mm) 50 = 1/2" (12.7mm) 75 = 3/4" (19.1mm) 125 = 1 1/4" (31.8mm) 150 = 1 1/2" (38.1mm) 175 = 1 3/4" (44.5mm)	P = Polyethylene Terephthalate (PET) PFR = Polyethylene Terephthalate (PET) Flame Retardant PSC = Fray Resistant Polyethylene Terephthalate (PET)		L = 50' (15.2m) C = 100' (30.5m) T = 200' (61.0m) D = 500' (152.4m) M = 1000' (304.8m)		0 = Black 8 = Gray 10 = White

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index



Braided Expandable Sleeve – Polyethylene Terephthalate (PET)

- Provides continuous abrasion protection for wires, cables, hoses and tubing
- Highly flexible open weave will not trap heat or humidity
- Allows for use with irregular shapes

- Lightweight, durable protection
- Rated for use up to 257°F (125°C)
- Compliant with U.S. and European passenger rail standards



Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per reel		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE12P-TR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0	1	4
SE12P-TR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0	1	4
SE12P-MR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8	1	2
SE12P-MR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8	1	2
SE12P-MR10	White	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8	1	2
SE25P-TR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0	1	4
SE25P-TR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0	1	4
SE25P-MR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8	1	2
SE25P-MR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8	1	2
SE25P-MR10	White	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8	1	2
SE38P-TR0	Black	0.38	9.5	0.188 – 0.500	4.8 – 15.9	200	61.0	1	4
SE38P-TR8	Gray	0.38	9.5	0.188 – 0.500	4.8 – 15.9	200	61.0	1	4
SE38P-MR0	Black	0.38	9.5	0.188 – 0.500	4.8 – 15.9	1000	304.8	1	2
SE38P-MR8	Gray	0.38	9.5	0.188 – 0.500	4.8 – 15.9	1000	304.8	1	2
SE38P-MR10	White	0.38	9.5	0.188 – 0.500	4.8 – 15.9	1000	304.8	1	2
SE50P-CR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5	1	4
SE50P-CR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5	1	4
SE50P-DR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	1	2
SE50P-DR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	1	2
SE50P-DR10	White	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	1	2
SE75P-CR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5	1	4
SE75P-CR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5	1	4
SE75P-DR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE75P-DR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE75P-DR10	White	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE125P-LR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2	1	4
SE125P-LR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2	1	4
SE125P-TR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0	1	2
SE125P-TR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0	1	2
SE125P-TR10	White	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0	1	2
SE150P-LR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2	1	4
SE150P-LR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2	1	4
SE150P-TR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0	1	2
SE150P-TR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0	1	2
SE150P-TR10	White	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0	1	2
SE175P-TR0	Black	1.75	44.5	1.25 – 2.75	31.8 – 69.9	200	61.0	1	2

Reel packaging may contain splices. Contact Panduit Customer Service for further information.

A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index

A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index



Braided Expandable Sleeving – Flame Retardant Polyethylene Terephthalate

- Provides continuous abrasion protection for wires, cables, hoses and tubing
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Allows for use with irregular shapes
- Flammability: Meets UL 1441 VW-1
- Compliant with U.S. and European passenger rail standards



Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length per reel		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE12PFR-TR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0	1	4
SE12PFR-MR0	Black	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8	1	2
SE12PFR-TR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	200	61.0	1	4
SE12PFR-MR8	Gray	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8	1	2
SE12PFR-MR10	White	0.12	3.2	0.094 – 0.250	2.4 – 6.4	1000	304.8	1	2
SE25PFR-TR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0	1	4
SE25PFR-MR0	Black	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8	1	2
SE25PFR-TR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	200	61.0	1	4
SE25PFR-MR8	Gray	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8	1	2
SE25PFR-MR10	White	0.25	6.4	0.125 – 0.375	3.2 – 9.5	1000	304.8	1	2
SE38PFR-MR0	Black	0.38	9.5	0.188 – 0.625	4.8 – 15.9	1000	304.8	1	2
SE38PFR-TR0	Black	0.38	9.5	0.188 – 0.625	4.8 – 15.9	200	61.0	1	4
SE38PFR-TR8	Gray	0.38	9.5	0.188 – 0.625	4.8 – 15.9	200	61.0	1	4
SE38PFR-MR8	Gray	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8	1	2
SE38PFR-MR10	White	0.38	9.5	0.188 – 0.500	4.8 – 12.7	1000	304.8	1	2
SE50PFR-CR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5	1	4
SE50PFR-CR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	100	30.5	1	4
SE50PFR-DR0	Black	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	1	2
SE50PFR-DR8	Gray	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	1	2
SE50PFR-DR10	White	0.50	12.7	0.250 – 0.750	6.4 – 19.1	500	152.4	1	2
SE75PFR-CR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5	1	4
SE75PFR-CR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	100	30.5	1	4
SE75PFR-DR0	Black	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE75PFR-DR8	Gray	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE75PFR-DR10	White	0.75	19.1	0.500 – 1.25	12.7 – 31.8	500	152.4	1	2
SE125PFR-LR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2	1	4
SE125PFR-LR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	50	15.2	1	4
SE125PFR-TR0	Black	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0	1	2
SE125PFR-TR8	Gray	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0	1	2
SE125PFR-TR10	White	1.25	31.8	0.750 – 1.50	19.1 – 38.1	200	61.0	1	2
SE150PFR-LR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2	1	4
SE150PFR-LR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	50	15.2	1	4
SE150PFR-TR0	Black	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0	1	2
SE150PFR-TR8	Gray	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0	1	2
SE150PFR-TR10	White	1.50	38.1	1.00 – 2.13	25.4 – 54.0	200	61.0	1	2
SE175PFR-TR0	Black	1.75	44.5	1.25 – 2.75	31.8 – 69.9	200	61.0	1	2

Tooling Head

- Sleeving cutter/end sealer blade – used with popular soldering guns to cut and seal sleeving



Part Number	Description	Std. Pkg. Qty.
HKBS	For dual straight shank soldering guns with .500" spacing typical guns: WELLER Straight Shank Model 8200; WEN Model 199 or 100 (Replace tip holding screws with (2) screws included).	1



Fray Resistant Braided Expandable Sleeving

- Fray-resistant design resists fraying when cut with scissors
- Provides continuous abrasion protection resistance for wires, cables, and tubing
- For indoor use only
- Rated for use up to 257°F (125°C)
- Material: Polyethylene Terephthalate



Part Number	Color	Nominal I.D.		Nominal Diameter Range		Length Per Reel‡		Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	Ft.	m		
SE12PSC-TR0	Black	0.12	3.2	0.13 – 0.25	3.2 – 6.4	200	61.0	1	4
SE25PSC-TR0	Black	0.25	6.4	0.16 – 0.44	4.0 – 11.1	200	61.0	1	4
SE38PSC-TR0	Black	0.38	9.5	0.19 – 0.63	4.8 – 15.9	200	61.0	1	4
SE50PSC-CR0	Black	0.50	12.7	0.25 – 0.75	6.4 – 19.1	100	30.5	1	4
SE75PSC-CR0	Black	0.75	19.1	0.63 – 1.0	15.9 – 25.4	100	30.5	1	4
SE125PSC-LR0	Black	1.25	31.8	1.0 – 1.5	25.4 – 38.1	50	15.2	1	4
SE150PSC-LR0	Black	1.50	38.1	1.3 – 2.0	31.8 – 50.8	50	15.2	1	4

‡Reel packaging may contain splices. Contact Panduit Customer Service for further information.

A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index

A. System Overview	Abrasion Protection Materials Technical Data												
B1. Cable Ties													
B2. Cable Accessories													
B3. Stainless Steel Ties													
C1. Wiring Duct	SPIRAL WRAP	Natural Polyethylene Lowest cost material for indoor use up to 122°F. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	0.91 – 0.93	1400 (D368)	0.01%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
C2. Surface Raceway		Weather Resistant Polyethylene This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	20 mg	0.93 – 1.09	2000 (D368)	0.03%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
C3. Abrasion Protection		Fire Resistant Polyethylene* UL94-V-2 Rating This material is self extinguishing and passes the UL 94 flame retardant test with V-2 rating.	-40°F (-40°C) to 122°F (50°C)	V-2	239°F (115°C)	27 mg	1.00 – 1.30	1400 (D368)	0.02%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
C4. Cable Management		Flame Retardant Polyethylene* UL94-V-0 Rating. This material is self extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 167°F (75°C)	V-0	270°F (132°C)	22 mg	1.23 – 1.37	1500 (D368)	0.02%	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant Some Discoloration
D1. Terminals		Weather Resistant Polypropylene This material is resistant to chemical attack and is suitable for harsh environment applications requiring UV/weather resistance and withstanding high temperatures.	-40°F (-40°C) to 239°F (115°C)	HB	334°F (168°C)	—	0.902	4000 (D638)	0.1%	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant No Discoloration
D2. Power Connectors		Nylon 6.6 Nylon is strong, durable material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.	-40°F (-40°C) to 149°F (65°C)	HB	505°F (263°C)	7 mg	1.13 – 1.15	12,400 (D368)	1.2%	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
D3. Grounding Connectors		Weather Resistant Nylon 6.6 This material has the same properties as natural Nylon and also has additives which allow it to resist the effects of ultraviolet light in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 149°F (65°C)	HB	505°F (263°C)	7 mg	1.13 – 1.15	12,400 (D368)	1.2%	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
E1. Labeling Systems		TFE†* This material is a non-flammable, fluorocarbon resin material. Suitable for use in any application (including nuclear containment). It is rated up to 356°F. Color: Opaque to Translucent.	-40°F (-40°C) to 500°F (260°C)	V-0	648°F (342°C)	7 mg	2.13 – 2.22	3000 (D876)	0.01%	Resistant	Resistant	Resistant	Resistant No Discoloration
E2. Labels		Natural Polyethylene Lowest cost material for indoor use up to 122°C. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	0.91 – 0.93	1400 (D638)	0.01%	Resistant below 140°F (60°C) except to chorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
E3. Pre-Printed & Write-On Markers		Flame Retardant Polyethylene* UL94-V-0 Rating. This material is self extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 167°F (75°C)	V-0	270°F (132°C)	22 mg	1.15	1500 (D876)	0.02%	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant Some Discoloration
E4. Permanent Identification	PAN-WRAP™												
E5. Lockout/ Tagout & Safety Solutions													
F. Index													

Note: Typical operating temperature ranges are extended based on end use application and specific environment tests.
†TFE is Polytetrafluoroethylene material.
*Contains halogens. Other materials are halogen free.

Abrasion Protection Materials Technical Data (continued)

		Ratings and Approvals			Physical Properties				Chemical Resistance			
		UL Temperature Index	Flammability (UL 94)	Melting Temperature	Abrasion Resistance (Lower number is better)	Specific Gravity (D792)	Minimum Tensile @ 23°C (psi)	Water Absorption (Max. 24 hrs.)	Organic Solvents	Alkalies	Acids	Petro-Chemicals
SLEEVING	Polyethylene Terephthalate (PET) This material is a thermoplastic polyester material designed for indoor applications. It is rated for use up to 257°F and will tolerate short-term exposure up to 446°F. Colors: Black, White and Gray.	-94°F (-70°C) to 257°F (125°C)	HB	500°F (260°C)	—	1.39	100,000 (D876)	0.08%	Resistant to some solvents	Resistant to most weak bases	Resistant	Some Discoloration
	Flame Retardant Polyethylene* Terephthalate (PET) This material is a self-extinguishing thermoplastic polyester that can be used indoors. It is also rated for use up to 257°F and will tolerate short term exposure up to 446°F. It is provided with tracers to identify the flame retardant material.	-94°F (-70°C) to 257°F (125°C)	UL 1441 VW-1	469°F (243°C)	—	1.39	39,295 (D876)	0.08%	Resistant to some solvents	Resistant to most weak bases	Resistant	Resistant Some Discoloration
CLT	Black Polypropylene Lowest cost material is for use up to 122°F. Other colors may be available.	-40°F (-40°C) to 122°F (50°C)	HB	—	—	0.926 – 0.940	1500 (D638)	—	Resistant except to halogenated hydrocarbons	Resistant	Resistant	Resistant No Discoloration
	Nylon 6 Nylon is a strong, impact modified, heat stabilized, durable high abrasion resistant material.	-40°F (-40°C) to 230°F (110°C)	HB	410°F (211°C)	—	1.06 – 1.16	8000 (D638)	—	Resistant except to halogenated hydrocarbons	Resistant	Not recommended	Resistant No Discoloration
PVC	PVC Non-Shrink Tubing* This material provides insulation and protection for continuous use at temperature -4°F (-20°C) to 221°F (105°C).	-4°F (-20°C) to 221°F (105°C)	UL 224 VW-1	—	—	1.35	2500 (D876)	—	Resistant except to aromatic hydrocarbons, ketones and esters	Resistant	Resistant	Resistant No Discoloration
CLT FITTINGS	Black Polyethylene Lowest cost material is for use up to 122°F. Other colors may be available.	-40°F (-40°C) to 122°F (50°C)	UL94 HB	—	—	1.04	3,900 (D638)	0.02 – 0.03%	Resistant except to halogenated hydrocarbons	Resistant	Resistant except to oxidizing acids	Resistant Some Discoloration
GROMMET EDGING	Natural Polyethylene Lowest cost material for indoor use up to 122°F. Natural is available in all sizes.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	22 mg	0.91 – 1.09	1400 (D638)	—	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Weather Resistant Polyethylene This material has the same properties as natural polyethylene, and also has additives which allow it to resist the effects of ultraviolet light and acid rain in an outdoor environment. This product is available in black only.	-40°F (-40°C) to 122°F (50°C)	HB	239°F (115°C)	20 mg	0.93 – 1.09	2000 (D638)	0.03%	Resistant below 140°F (60°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	No Discoloration
	Flame Retardant Polyethylene* UL94-V-0 Rating This material is self-extinguishing and passes the UL94 flame retardant test with a V-0 rating.	-4°F (-20°C) to 167°F (75°C)	V-0	270°F (132°C)	22 mg	1.23 – 1.37	1200	0.02%	Resistant below 194°F (90°C) except to chlorinated solvents	Resistant	Resistant except to oxidizing acids	Some Discoloration
	Nylon Nylon is strong, durable, self-extinguishing material for indoor use up to 149°F. It offers a combination of lightweight, wide temperature range, and high abrasion resistance. This material is suitable for applications where heavy vibration or stress exists on the wiring or tubing.	-40°F (-40°C) to 149°F (65°C)	V-2	491°F (255°C)	7 mg	1.03 – 1.15	12,400 (D638)	1.5%	Resistant except to phenols and formic acid	Resistant	Resistant to most weak acids	No Discoloration

Note: Typical operating temperature ranges are extended based on end use application and specific environment tests.

*Contains halogens. Other materials are halogen free.

A.
System
Overview

B1.
Cable Ties

B2.
Cable
Accessories

B3.
Stainless
Steel Ties

C1.
Wiring
Duct

C2.
Surface
Raceway

C3.
Abrasion
Protection

C4.
Cable
Management

D1.
Terminals

D2.
Power
Connectors

D3.
Grounding
Connectors

E1.
Labeling
Systems

E2.
Labels

E3.
Pre-Printed
& Write-On
Markers

E4.
Permanent
Identification

E5.
Lockout/
Tagout
& Safety
Solutions

F.
Index