

Thin-Wall Tubing

3M™ Thin-Wall Tubing FP-301

Shrink Ratio 2:1

3M Thin-Wall Tubing FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation. 3M tubing FP-301 is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering.

3M Clear Tubing FP-301 provides excellent visibility for component packing. All 3M Tubing FP-301 is split resistant, mechanically tough, easily marked and resists cold flow.

FP-301 is available in black, white, red, blue, yellow and clear in the standard lengths of 6-inch (15,2 cm) cut pieces, 48-inch (1,21 m) and small (8.5-inch core diameter) spools of 50 (15,24 m) and 100 (30,48 m) feet. Four-foot lengths of green tubing are available in sizes 1/16 inch to 1/2 inch. The Assorted Color Kit has a total of 133 pieces and contains seven colors: black, red, white, yellow, blue,



green and clear (see chart below). The Black Kit contains 102 pieces, all 6" (512,4 mm) lengths (see chart below). Additional sizes, colors and put-ups are available—please contact your 3M Electrical Products Sales Representative.

Application Specifications: UL Recognized and CSA Certified at 600 volts at 257°F(125°C); UL File No. E-39100 and CSA No. 38227. MIL-I-23053/5, Class 1,2. AMS 3636 (Type I) and AMS 3637 (Type II).

To Order: Reference specific product size, color and description on the following pages. Example: FP-301-1/4, white 6" (15,2 cm) pieces.

Specifications and Ordering Information for 3M Thin-Wall Tubing FP-301 Assortment Kits

Description	UPC (051135-)	Case Qty.
ASSORTED COLORS KIT	37677	5 kits
Kit Contents:	Kit Quantity:	
3/32" (2,35 mm)	35	—
1/8" (3,18 mm)	28	—
3/16" (4,75 mm)	21	—
1/4" (6,35 mm)	21	—
3/8" (9,53 mm)	14	—
1/2" (12,70 mm)	14	—
ASSORTED BLACK KIT	38139	5 kits
Kit Contents:	Kit Quantity:	
3/16" (4,8 mm)	30	—
1/4" (6,5 mm)	28	—
3/8" (9,6 mm)	20	—
1/2" (12,7 mm)	14	—
3/4" (19,1 mm)	6	—
1" (25,4 mm)	4	—

Specifications and Ordering Information for 3M Thin-Wall Tubing FP-301 Six-Inch Pieces—Tamper Evident Bags (Refills for Kits)

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Case Qty.
FP-301	3/64" (1,19 mm)	Black Clear	36484 36485	40 pcs/bag	0.046/0.023" (1,17/0,58 mm)	10 bags
FP-301	1/16" (1,59 mm)	Black Clear	36486 36487	38 pcs/bag	0.063/0.031" (1,6/0,79 mm)	10 bags
FP-301	3/32" (2,4 mm)	Black Clear	36488 36489	36 pcs/bag	0.093/0.046" (2,36/1,17 mm)	10 bags
FP-301	1/8" (3,18 mm)	Black Clear	36490 36491	34 pcs/bag	0.125/0.062" (3,18/1,57 mm)	10 bags
FP-301	3/16" (4,77 mm)	Black Clear	36492 36493	30 pcs/bag	0.187/0.093" (4,75/2,36 mm)	10 bags
FP-301	1/4" (6,4 mm)	Black Clear	36494 36495	26 pcs/bag	0.250/0.125" (6,35/3,18 mm)	10 bags
FP-301	3/8" (9,55 mm)	Black Clear	36496 36497	24 pcs/bag	0.375/0.187" (9,53/4,75 mm)	10 bags
FP-301	1/2" (12,7 mm)	Black Clear	36498 36499	20 pcs/bag	0.500/0.250" (12,7/6,35 mm)	10 bags
FP-301	3/4" (19,0 mm)	Black Clear	36500 36501	14 pcs/bag	0.750/0.375" (19,05/9,52 mm)	10 bags
FP-301	1" (25,4 mm)	Black Clear	36502 36503	10 pcs/bag	1.000/0.500" (25,4/12,7 mm)	10 bags
FP-301	1-1/2" (38,1 mm)	Black Clear	36504 36505	6 pcs/bag	1.500/0.750" (38,1/19,05 mm)	10 bags
FP-301	2" (50,8 mm)	Black Clear	36506 36507	4 pcs/bag	2.000/1.000" (50,8/25,4 mm)	10 bags
FP-301	3" (76,0 mm)	Black Clear	36508 36509	3 pcs/bag	3.000/1.500" (76,2/38,1 mm)	10 bags
FP-301	4" (102,0 mm)	Black Clear	36510 36511	2 pcs/bag	4.000/2.000" (101,6/50,8 mm)	10 bags

Specifications and Ordering Information for 3M FP-301 Assortment Packs of Six-Inch Lengths—Tamper Evident Bags (Refills for Kits)

Product Number	Size	Color	UPC (051135-)	Description	Case Qty.
FP-301	3/64"-3/16" (1,19-4,77 mm)	Black	36612	6 each of 5 sizes/bag	10 bags
FP-301	1/4"-3/4" (6,4-19,0 mm)	Black	36613	4 each of 4 sizes/bag	10 bags
FP-301	1"-4" (25,4-102 mm)	Black	36614	2 each of 5 sizes/bag	10 bags
FP-301	3/32" (2,4 mm)	Assort.	36618	5 each of 7 colors/bag	10 bags
FP-301	1/8" (3,18 mm)	Assort.	36619	4 each of 7 colors/bag	10 bags
FP-301	3/16" (4,77 mm)	Assort.	36620	3 each of 7 colors/bag	10 bags
FP-301	1/4" (6,4 mm)	Assort.	36621	3 each of 7 colors/bag	10 bags
FP-301	3/8" (9,55 mm)	Assort.	36622	2 each of 7 colors/bag	10 bags
FP-301	1/2" (12,7 mm)	Assort.	36623	2 each of 7 colors/bag	10 bags

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP-301 Four-Foot Sticks (Small Box)

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Box Qty.
FP-301	3/64" (1,17 mm)	Black	36644	48" Sticks (1,22 m)	0.046/0.023" (1,17/0,58 mm)	25
		Clear	36645			
		White	36646			
		Red	36647			
		Blue	36649			
		Yellow	36648			
FP-301	1/16" (1,58 mm)	Black	36650	48" Sticks (1,22 m)	0.063/0.031" (1,6/0,79 mm)	25
		Clear	36651			
		White	36652			
		Red	36653			
		Blue	36655			
		Yellow	36654			
		Green	36672			
FP-301	3/32" (2,38 mm)	Black	36673	48" Sticks (1,22 m)	0.093/0.046" (2,36/1,17 mm)	25
		Clear	36674			
		White	36675			
		Red	36676			
		Blue	36678			
		Yellow	36677			
FP-301	1/8" (3,18 mm)	Black	36680	48" Sticks (1,22 m)	0.125/0.062" (3,18/1,57 mm)	25
		Clear	36681			
		White	36682			
		Red	36683			
		Blue	36685			
		Yellow	36684			
FP-301	3/16" (4,75 mm)	Black	36687	48" Sticks (1,22 m)	0.187/0.093" (4,75/2,36 mm)	25
		Clear	36688			
		White	36689			
		Red	36690			
		Blue	36692			
		Yellow	36691			
FP-301	1/4" (6,35 mm)	Black	36694	48" Sticks (1,22 m)	0.250/0.125" (6,35/3,18 mm)	12
		Clear	36695			
		White	36696			
		Red	36697			
		Blue	36699			
		Yellow	36698			
FP-301	3/8" (9,5 mm)	Black	36701	48" Sticks (1,22 m)	0.375/0.187" (9,53/4,75 mm)	12
		Clear	36702			
		White	36703			
		Red	36704			
		Blue	36706			
		Yellow	36705			
FP-301	1/2" (12,7 mm)	Black	36709	48" Sticks (1,22 m)	0.500/0.250" (12,7/6,35 mm)	12
		Clear	36710			
		White	36711			
		Red	36712			
		Blue	36714			
		Yellow	36713			
		Green	36715			

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP-301 Four-Foot Sticks (Small Box)

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Box Qty.
FP-301	3/4" (19,05 mm)	Black	36716	48" Sticks (1,22 m)	0.750/0.375" (19,01/9,53 mm)	12
		Clear	36720			
		White	36721			
		Red	36722			
		Blue	36724			
		Yellow	36723			
		Green	37764			
FP-301	1" (25,4 mm)	Black	36725	48" Sticks (1,22 m)	1.000/0.500" (25,4/12,7 mm)	5
		Clear	36726			
		White	36727			
		Red	36728			
		Blue	36730			
		Yellow	36729			
		Green	37767			
FP-301	1-1/2" (38,1 mm)	Black	36731	48" Sticks (1,22 m)	1.500/0.750" (38,1/19,05 mm)	5
		Clear	36732			
		White	36733			
		Red	36734			
		Blue	36736			
		Yellow	36735			
FP-301	2" (50,8 mm)	Black	36737	48" Sticks (1,22 m)	2.000/1.000" (50,8/25,4 mm)	5
		Clear	36738			
		White	36739			
		Red	36740			
		Blue	36742			
		Yellow	36741			
FP-301	3" (76,2 mm)	Black	36743	48" Sticks (1,22 m)	3.000/1.500" (76,2/38,1 mm)	2
		Clear	36744			
FP-301	4" (101,6 mm)	Black	36745	48" Sticks (1,22 m)	4.000/2.000" (101,6/50,8 mm)	2
		Clear	36746			

Specifications and Ordering Information for 3M™ FP-301 Four-Foot Sticks (Bulk)

Product Number	Size	Expanded/Recovered I.D.	Color	UPC (054007-)	Case Qty. Feet (sticks)
FP-301	3/64" (1,17 mm)	0.046/0.023" (1,17/0,58 mm)	Black	08432	1,000
			Clear	08438	
			White	08433	
			Red	08738	
			Blue	08734	
			Yellow	58680	
FP-301	1/16" (1,60 mm)	0.063/0.031" (1,6/0,79 mm)	Black	08434	1,000
			Clear	08439	
			White	08435	
			Red	08764	
			Blue	08761	
			Yellow	08770	
FP-301	3/32" (2,36 mm)	0.093/0.046" (2,36/1,17 mm)	Black	08436	1,000
			Clear	08440	
			White	08437	
			Red	08788	
			Blue	08787	
			Yellow	08791	
			Green	37654*	

* UPC prefix 051135-

Specifications and Ordering Information for 3M™ FP-301 Four-Foot Sticks (Bulk)

Product Number	Size	Expanded/Recovered I.D.	Color	UPC (054007-)	Case Qty. Feet (sticks)
FP-301	1/8" (3,18 mm)	0.125/0.062" (3,18/1,57 mm)	Black	08562	1,000' (250-48" sticks)
			Clear	08587	
			White	36682	
			Red	08864	
			Blue	08820	
			Yellow	08825	
			Green	58788	
FP-301	3/16" (4,75 mm)	0.187/0.093" (4,75/2,36 mm)	Black	08566	1,000' (250-48" sticks)
			Clear	08588	
			White	08568	
			Red	08854	
			Blue	08852	
			Yellow	08569	
			Green	58726	
FP-301	1/4" (6,35 mm)	0.250/0.125" (6,35/3,18 mm)	Black	08570	800' (200-48" sticks)
			Clear	08589	
			White	08572	
			Red	38755	
			Blue	58792	
			Yellow	38760	
			Green	58577	
FP-301	3/8" (9,53 mm)	0.375/0.187" (9,53/4,75 mm)	Black	08573	500' (125-48" sticks)
			Clear	08590	
			White	08576	
			Red	08575	
			Blue	38767	
			Yellow	08577	
			Green	58725	
FP-301	1/2" (12,7 mm)	0.500/0.250" (12,7/6,35 mm)	Black	08604	400' (100-48" sticks)
			Clear	08591	
			White	08608	
			Red	08607	
			Blue	08606	
			Yellow	08609	
			Green	58789	
FP-301	3/4" (19,05 mm)	0.750/0.375" (19,01/9,53 mm)	Black	08610	200' (50-48" sticks)
			Clear	08592	
			White	08614	
			Red	08613	
			Blue	08612	
			Yellow	08615	
			Green	58790	
FP-301	1" (25,4 mm)	1.000/0.500" (25,4/12,7 mm)	Black	08578	96' (24-48" sticks)
			Clear	08593	
			White	08580	
			Red	38902	
			Blue	38900	
			Yellow	08581	
			Green	35725*	
FP-301	1-1/2" (38,1 mm)	1.500/0.750" (38,1/19,05 mm)	Black	08582	96' (24-48" sticks)
			Clear	08594	
			White	38916	
			Red	38914	
			Blue	38912	
			Yellow	08583	

* UPC prefix 051135-

Specifications and Ordering Information for 3M™ FP-301 Four-Foot Sticks (Bulk)

Product Number	Size	Expanded/Recovered I.D.	Color	UPC (054007-)	Case Qty. Feet (sticks)
FP-301	2" (50,8 mm)	2.000/1.000" (50,8/25,4 mm)	Black	08584	96' (24-48" sticks)
			Clear	08595	
			White	38923	
			Red	56829	
			Blue	38921	
			Yellow	38926	
FP-301	3" (76,2 mm)	3.000/1.500" (76,2/38,1 mm)	Black	08585	48' (12-48" sticks)
			Clear	39030	
			White	08586	
			Red	38932	
			Blue	38931	
			Yellow	57035	
FP-301	4" (101,6 mm)	4.000/2.000" (101,6/50,8 mm)	Black	38934	48' (12-48" sticks)
			Clear	39032	
			White	38939	
			Red	38938	
			Blue	38936	
			Yellow	59028	

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP-301 Small Spools

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Case Qty.
FP-301	3/64" (1,19 mm)	Black	36027**	100' Spool (30,5 m)	0.046/0.023" (1,17/0,58 mm)	300'
		Clear	36028**			
FP-301	1/16" (1,6 mm)	Black	35550	100' Spool (30,5 m)	0.063/0.031" (1,6/0,79 mm)	300'
		Clear	35555			
		White	35551			
		Red	35552			
		Blue	35553			
		Yellow	35554			
FP-301	3/32" (2,4 mm)	Black	35556	100' Spool (30,5 m)	0.093/0.046" (2,36/1,17 mm)	300'
		Clear	35548			
		White	35557			
		Red	35558			
		Blue	35559			
		Yellow	35560			
FP-301	1/8" (3,2 mm)	Black	35562	100' Spool (30,5 m)	0.125/0.062" (3,18/1,57 mm)	300'
		Clear	35567			
		White	35563			
		Red	35564			
		Blue	35565			
		Yellow	35566			
FP-301	3/16" (4,77 mm)	Black	35568	100' Spool (30,5 m)	0.187/0.093" (4,75/2,36 mm)	300'
		Clear	35573			
		White	35569			
		Red	35570			
		Blue	35571			
		Yellow	35572			
		Green	37594			

** UPC prefix 051138-

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP-301 Small Spools

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Case Qty.
FP-301	1/4" (6,4 mm)	Black	35574	100' Spool (30,5 m)	0.250/0.125" (6,35/3,18 mm)	300'
		Clear	35579			
		White	35575			
		Red	35576			
		Blue	35577			
		Yellow	35578			
		Green	37346			
FP-301	3/8" (9,6 mm)	Black	35580	100' Spool (30,5 m)	0.375/0.187" (9,53/4,75 mm)	300'
		Clear	35585			
		White	35581			
		Red	35582			
		Blue	35583			
		Yellow	35584			
		Green	37643			
FP-301	1/2" (12,7 mm)	Black	35586	100' Spool (30,5 m)	0.500/0.250" (12,7/6,35 mm)	300'
		Clear	35591			
		White	35587			
		Red	35588			
		Blue	35589			
		Yellow	35590			
		Green	37347			
FP-301	3/4" (19,1 mm)	Black	35592	50' Spool (15,2 m)	0.750/0.375" (19,05/9,52 mm)	150'
		Clear	35597			
		White	35593			
		Red	35594			
		Blue	35595			
		Yellow	35596			
		Green	37348			
FP-301	1" (25,4 mm)	Black	35598	50' Spool (15,2 m)	1.000/0.500" (25,4/12,7 mm)	150'
		Clear	35603			
		White	35599			
		Red	35600			
		Blue	35601			
		Yellow	35602			
		Green	37768			
FP-301	1-1/2" (38,1 mm)	Black	36026**	50' Spool (15,2 m)	1.500/0.750" (38,1/19,05 mm)	100'
		Clear	36025**			
		White	08515*	100' Spool (30,5 m)		200'
		Red	38860*			
		Blue	38857*			
		Yellow	08516*			
FP-301	2" (50,8 mm)	Black	36024**	50' Spool (15,2 m)	2.000/1.000" (50,8/25,4 mm)	100'
		Clear	36023**			
		White	08519*	100' Spool (30,5 m)		200'
		Red	08518*			
		Blue	38870*			
		Yellow	08520*			
FP-301	3" (76,2 mm)	Black	08521*	50' Spool (15,2 m)	3.000/1.500" (76,2/38,1 mm)	50'
		Clear	38982*			
		White	08522*			
		Red	38881*			
		Blue	38880*			
		Yellow	38883*			
FP-301	4" (101,6 mm)	Black	38884*	50' Spool (15,2 m)	4.000/2.000" (101,6/50,8 mm)	50'
		Clear	38986*			
		White	38894*			
		Red	38893*			
		Blue	58973*			
		Yellow	38895*			

* UPC prefix 051135-

** UPC prefix 051138-

Specifications and Ordering Information for 3M™ FP-301 Spools (Large)

Product Number	Size	Expanded/Recovered I.D.	Color	UPC (054007-)	Description	Case Qty.
FP-301	3/64" (1,60 mm)	0.046/0.023" (1,17/0,58 mm)	Black	08458	1,000' Spool (304,8 m)	3,000'
			Clear	08523		
			White	08460		
			Red	08723		
			Blue	58613		
			Yellow	08727		
FP-301	1/16" (1,60 mm)	0.063/0.031" (1,6/0,79 mm)	Black	08461	1,000' Spool (304,8 m)	3,000'
			Clear	08524		
			White	08464		
			Red	08463		
			Blue	08746		
			Yellow	08465		
FP-301	3/32" (2,36 mm)	0.093/0.046" (2,36/1,17 mm)	Black	08466	500' Spool (152,4 m)	1,500'
			Clear	08525		
			White	08470		
			Red	08469		
			Blue	08468		
			Yellow	08471		
FP-301	1/8" (3,18 mm)	0.125/0.062" (3,18/1,57 mm)	Black	08472	500' Spool (152,4 m)	1,500'
			Clear	08526		
			White	08476		
			Red	08475		
			Blue	08474		
			Yellow	08477		
FP-301	3/16" (4,75 mm)	0.187/0.093" (4,75/2,36 mm)	Black	08478	250' Spool (76,2 m)	750'
			Clear	08527		
			White	08483		
			Red	08482		
			Blue	08480		
			Yellow	08484		
FP-301	1/4" (6,35 mm)	0.250/0.125" (6,35/3,18 mm)	Black	08485	250' Spool (60,96 m)	600'
			Clear	08528		
			White	08489		
			Red	08488		
			Blue	08487		
			Yellow	08490		
FP-301	3/8" (9,53 mm)	0.375/0.187" (9,53/4,75 mm)	Black	08491	200' Spool (60,96 m)	600'
			Clear	08529		
			White	08494		
			Red	08493		
			Blue	38734		
			Yellow	08495		
FP-301	1/2" (12,7 mm)	0.500/0.250" (12,7/6,35 mm)	Black	08496	200' Spool (60,96 m)	600'
			Clear	08530		
			White	08500		
			Red	08499		
			Blue	08498		
			Yellow	08501		
			Green	56988		

* UPC prefix 051135-

Specifications and Ordering Information for 3M™ FP-301 Spools (Large)

Product Number	Size	Expanded/Recovered I.D.	Color	UPC (054007-)	Description	Case Qty.
FP-301	3/4" (19,05 mm)	0.750/0.375" (19,05/9,52 mm)	Black	08502	200' Spool (60,96 m)	600'
			Clear	08531		
			White	08506		
			Red	08505		
			Blue	08504		
			Yellow	08507		
			Green	56642		
FP-301	1" (25,4 mm)	1.000/0.500" (25,4/12,7 mm)	Black	08508	100' Spool (30,5 m)	300'
			Clear	08532		
			White	08512		
			Red	08511		
			Blue	08510		
			Yellow	08513		
			Green	37765*		
FP-301	1-1/2" (38,1 mm)	1.500/0.750" (38,1/19,05 mm)	Black	08514	100' Spool (30,5 m)	200'
			Clear	08533		
			White	08515		
			Red	38860		
			Blue	38857		
			Yellow	08516		
FP-301	2" (50,8 mm)	2.000/1.000" (50,8/25,4 mm)	Black	08517	100' Spool (30,5 m)	200'
			Clear	08534		
			White	08519		
			Red	08518		
			Blue	38870		
			Yellow	08520		
FP-301	3" (76,2 mm)	3.000/1.500" (76,2/38,1 mm)	Black	08521	—	50'
			Clear	38982		
			White	08522		
			Red	38881		
			Blue	38880		
			Yellow	38883		
FP-301	4" (101,6 mm)	4.000/2.000" (101,6/50,8 mm)	Black	38884	—	50'
			Clear	38986		
			White	38894		
			Red	38893		
			Blue	58973		
			Yellow	38895		

* UPC prefix 051135-

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP 25-Foot Reels Thin-Wall, Flexible Polyolefin

Product Number	UPC (054007-)	Expanded/Recovered I.D.	Case Qty.
FP-063-BK-25	40058	0.063/0.031" (1,6/0,8 mm)	1 – 25' Reel
FP-093-BK-25	40059	0.093/0.046" (2,4/1,2 mm)	1 – 25' Reel
FP-125-BK-25	40060	0.125/0.062" (3,2/1,6 mm)	1 – 25' Reel
FP-187-BK-25	40061	0.187/0.093" (4,7/2,4 mm)	1 – 25' Reel
FP-250-BK-25	40062	0.250/0.125" (6,4/3,2 mm)	1 – 25' Reel
FP-375-BK-25	40063	0.375/0.187" (9,5/4,2 mm)	1 – 25' Reel
FP-500-BK-25	40064	0.500/0.250" (12,7/6,4 mm)	1 – 25' Reel
FP-750-BK-25	40065	0.750/0.375" (19,1/9,5 mm)	1 – 25' Reel
FP-1000-BK-25	40066	1.000/0.500" (25,4/12,7 mm)	1 – 25' Reel

Note: Bulk spools and 4-foot lengths are available subject to quotation. Special cut lengths are also available subject to quotation.

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP-301 Four-Foot Lengths with Header Cards

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Case Qty.
FP-301H	1/16" (1,58 mm)	Black	36748	48" Sticks (1,22 m)	0.063/0.031" (1,6/0,79 mm)	25
		Clear	36749			
		White	36750			
		Red	36751			
		Blue	36753			
		Yellow	36752			
		Green	36754			
FP-301H	3/32" (2,38 mm)	Black	36770	48" Sticks (1,22 m)	0.093/0.046" (2,36/1,17 mm)	25
		Clear	36771			
		White	36772			
		Red	36773			
		Blue	36775			
		Yellow	36774			
		Green	36776			
FP-301H	1/8" (3,18 mm)	Black	36777	48" Sticks (1,22 m)	0.125/0.062" (3,18/1,57 mm)	25
		Clear	36778			
		White	36779			
		Red	36780			
		Blue	36782			
		Yellow	36781			
		Green	36783			
FP-301H	3/16" (4,75 mm)	Black	36784	48" Sticks (1,22 m)	0.187/0.093" (4,75/2,36 mm)	25
		Clear	36785			
		White	36786			
		Red	36787			
		Blue	36789			
		Yellow	36788			
		Green	36790			

Specifications and Ordering Information for 3M™ Thin-Wall Tubing FP-301 Four-Foot Lengths with Header Cards

Product Number	Size	Color	UPC (051135-)	Description	Expanded/Recovered I.D.	Case Qty.
FP-301H	1/4" (6,35 mm)	Black	36791	48" Sticks (1,22 m)	0.250/0.125" (6,35/3,18 mm)	25
		Clear	36792			
		White	36793			
		Red	36794			
		Blue	36796			
		Yellow	36795			
		Green	36797			
FP-301H	3/8" (9,5 mm)	Black	36798	48" Sticks (1,22 m)	0.375/0.187" (9,53/4,75 mm)	12
		Clear	36799			
		White	36800			
		Red	36801			
		Blue	36803			
		Yellow	36802			
		Green	36804			
FP-301H	1/2" (12,7 mm)	Black	36805	48" Sticks (1,22 m)	0.500/0.250" (12,7/6,35 mm)	12
		Clear	36806			
		White	36807			
		Red	36808			
		Blue	36810			
		Yellow	36809			
		Green	36811			
FP-301H	3/4" (19,05 mm)	Black	36812	48" Sticks (1,22 m)	0.750/0.375" (19,01/9,53 mm)	12
		Clear	36813			
		White	36814			
		Red	36815			
		Blue	36817			
		Yellow	36816			
		Green	37763			
FP-301H	1" (25,4 mm)	Black	36818	48" Sticks (1,22 m)	1.000/0.500" (25,4/12,7 mm)	5
		Clear	36819			
		White	36820			
		Red	36821			
		Blue	36823			
		Yellow	36822			
		Green	37766			

3M™ MFP Heat Shrink, Cross-Linked, Thin-Walled, Modified Polyvinylidene Fluoride Tubing

3M MFP tubing is a cross-linked, thin-walled, heat-shrinkable tubing offering a high degree of mechanical strength and high-temperature resistance. Fabricated from polyvinylidene fluoride, the tubing has outstanding abrasion resistance and cut-through properties in combination with high dielectric strength. It is inherently flame retardant, semi-rigid and highly resistant to most industrial fuels, chemicals and solvents. When heated in excess of 347°F (175°C), MFP tubing rapidly shrinks to a skintight fit. MFP tubing is rated for continuous operation from -67°F (-55°C) to 347°F (175°C).

MFP tubing is recommended for shrink-fit protection and strain relief of wires, solder joints, terminals and connections. MFP tubing has a 2:1 shrink ratio. Standard color is clear. Standard packaging is 4-foot lengths. Order MFP tubing by product name, size equivalent to the expanded inside diameter, package type and color.

Applicable Specifications: MIL-DTL-23053/8, MIL-DTL-23053/18, Class 1; AMS-3632; UL File E-39100, VW-1; CSA LR 38227, OFT.