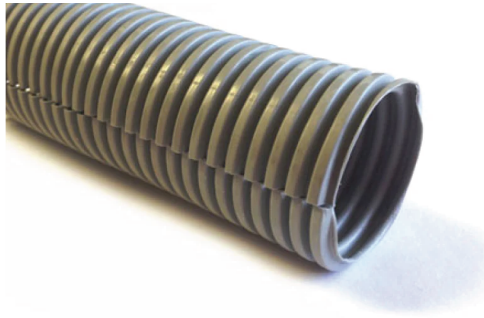




## Flame Retardant Polyethylene Wire Loom Tubing

### Description:

Polyethylene flame retardant wire loom tubing is ideal for any application that requires tubing that meets flammability, and outgassing requirements. Polyethylene flame retardant wire loom is split and flexible to allow for easy installation. While some protective tubing is rigid, our Flame Retardant Polyethylene Wire Loom from Kable Kontrol fully guards your vital cables and wiring from not only intense heat, but also abrasion, chemicals, impact and crushing, while retaining all the flexibility your cables had before. Being made of heat resistant & flame retardant polyethylene, the wire loom has an operating temperature of: -40°F to +200°F.



Sold in various lengths and diameters.  
Available in gray color option.

**MADE WITH DURABLE FLAME  
RETARDANT POLYETHYLENE**



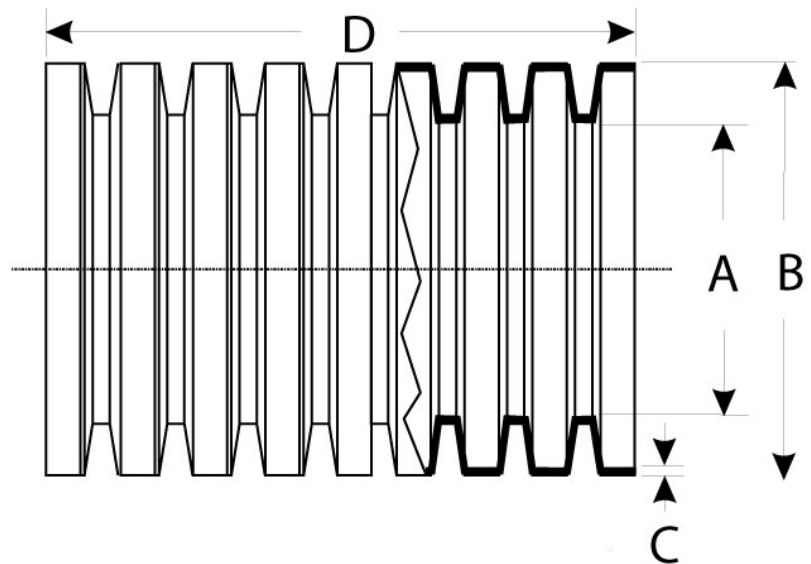
### Applications:

Flame retardant polyethylene wire loom tubing is ideal for wide variety of applications such as:

- Cable organization
- Protection for wires
- Automotive applications
- Industrial settings

### Features:

- Rated V2 According To UL-94
- Self-Extinguishing
- Very Good Chemical & Abrasion Resistance
- Self-Extinguishing
- REACH & RoHS COMPLIANT



Nominal Internal Diameter	Part #	Length	Dimension "A" Inside Diameter		Dimension "B" Outside Diameter		Dimension "C" Wall Thickness
			Min	Max	Min	Max	
1/4" (6 mm)	FRWL920***	3200', 25,000'	0.237" (6.02 mm)	0.266" (6.76 mm)	0.372" (9.45 mm)	0.400" (10.16 mm)	0.005" (0.12 mm)
3/8" (9 mm)	FRWL921***	1900', 15,000'	0.341" (8.66 mm)	0.380" (9.65 mm)	0.496" (12.59 mm)	0.526" (13.36 mm)	0.005" (0.12 mm)
1/2" (13 mm)	FRWL922***	1100', 8000'	0.471" (11.97 mm)	0.515" (13.07 mm)	0.645" (16.39 mm)	0.681" (17.31 mm)	0.005" (0.12 mm)
5/8" (16 mm)	FRWL923***	800', 5500'	0.603" (15.32 mm)	0.639" (16.23 mm)	0.802" (20.36 mm)	0.837" (21.26 mm)	0.005" (0.12 mm)
3/4" (19 mm)	FRWL924***	550', 4000'	0.707" (17.96 mm)	0.759" (19.28 mm)	0.950" (24.13 mm)	0.989" (25.12 mm)	0.005" (0.12 mm)
1" (23 mm)	FRWL925***	300', 2250'	0.897" (22.78 mm)	0.949" (24.10 mm)	1.077" (27.36 mm)	1.109" (28.17 mm)	0.006" (0.15 mm)
2" (51 mm)	FRWL928-GD	800'	1.969" (50.01 mm)	2.038" (51.77 mm)	2.285" (58.04 mm)	2.388" (60.66 mm)	0.011" (0.028 mm)

Performance Enhancers			
Flame Retardant	Yes		
UV Inhibitor	No		
Heat Stabilizer	Yes		
Performance Characteristics			
Flexibility	Excellent		
Abrasion Resistance	Good		
Chemical Resistance	Good <a href="#">See Chemical Resistant Report: CR-019</a>		
Recommended Operating Upper Temperature	+185°F (85°C)		
Recommended Operating Lower Temperature	-40°F (-40°C)		
Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ASTM D792	1.005	-
Elongation @ Break	ASTM D638	945	%
Elongation @ Yield	ASTM D638	167	%
Tensile Strength @ 25C	ASTM D638	14.99619	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	240	GPa
Melting Point	ASTM D3418	239 (115)	°F (°C)
Notched Izod Impact Test	ASTM D256	10	ft lb/in
Heat Deflection Temperature @66psi	ASTM D648	122 (50)	°F (°C)
Heat Deflection Temperature @264psi	ASTM D648	104 (40)	°F (°C)
Material Certifications			
Delphi / Packard	-		
Ford	-		
General Motors	-		
Chrysler	-		
ASTM	-		
Underwriters Laboratory	UL-94 V2 @ 1.5 mm		
FMVSS 302	Max. Burn rate of 101.2mm / min. (1.0 mm thick) Self-extinguishing		

Base Material Chemical Resistance Summary

Report #	Revision #	Material Code	Engine Coolant	Brake Fluid	Gas	Diesel Fuel	Methanol	Transmission Fluid	Power Steering	Engine Oil	Engine Cleaner	Antifreeze	Windshield Washer	De-Icer / Road Salt	Battery Acid	Salt	Isopropyl	Algae	Chlorine	Salt Water	Fresh Water
CR-023	1	FP	A	B	C	B	A	B	B	B	N/D	A	B	A	A	A	A	N/D	C	A	A
CR-007	1	ND	B	A	A	A	B	A	A	A	B	B	B	A	D	A	B	N/D	D	A	A
CR-008	1	NP	B	A	A	A	B	A	A	A	B	B	B	A	D	A	B	N/D	D	A	A
CR-012	1	NU	B	A	A	A	B	A	A	A	B	B	B	A	D	A	B	N/D	D	A	A
CR-013	1	PE/DE	A	A	A	B	B	A	A	A	B	A	A	A	A	A	A	A	B	A	A
CR-001	1	PT	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	C	A	A
CR-017	1	UC	A	A	B	B	A	A	A	A	B	A	A	A	A	A	A	A	B	A	A
CR-014	1	VO	A	A	B	B	A	A	A	A	B	A	A	A	A	A	A	A	B	A	A
CR-010	1	VP	A	D	D	D	A	N/D	N/D	B	N/D	A	N/D	A	B	A	A	A	D	A	A
CR-019	1	VE	A	A	B	B	A	A	A	A	B	A	A	A	A	A	A	A	B	A	A

## Ratings Definition

**"A" Excellent** Resistant. Possible slight absorption / changes to weight, dimensions, properties. According to current knowledge, no irreversible damage. Negligible effect on mechanical properties.

**"B" Good** Minor Effect. Slight change in properties. Small reduction in mechanical properties likely

**"C" Fair** Moderate Effect. Limited resistance. Softening, loss of strength. Prolonged exposure may cause irreversible damage (e.g. reduction in mechanical properties / degradation). Material will have limited life.

**"D" Poor**

Severe Effect. Irreversible damage. Material may decompose or dissolve.

**"N/D" Rating**

The "ND" rating means "No Performance Data Available"

## Disclaimer

The Ratings assigned are based on information provided by our raw material manufacturers. These values are based solely on laboratory tests with their raw materials. Components produced from these raw materials are frequently subject to influences that cannot be recognized in laboratory tests (temperature, pressure, material stress etc.). For this reason the ratings given are only to be regarded as being basic guidelines. In critical cases, it is essential that the end user test the actual chemical resistance of our product to see if it will work in their application. This is reference data only, no legal claims can be derived from this information; nor do we accept any liability for it.