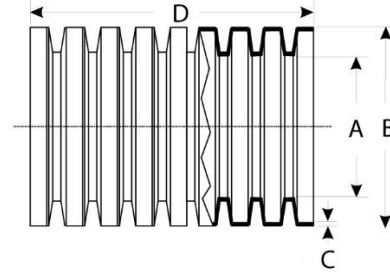


Kable Kontrol® High Temperature Resistant Nylon Wire Loom Tubing

Technical Specifications



Nominal Internal Diameter	Dimension "A" Inside Diameter		Dimension "B" Outside Diameter		Dimension "C" Wall Thickness
	Min	Max	Min	Max	
1/4" (6 mm)	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)	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)
7/16" (10 mm)	0.399" (10.13 mm)	0.437" (11.10 mm)	0.569" (14.46 mm)	0.597" (15.16 mm)	0.005" (0.12 mm)
1/2" (13 mm)	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)	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)	0.707" (17.96 mm)	0.759" (19.28 mm)	0.950" (24.13 mm)	.989" (25.12 mm)	0.005" (0.12 mm)
7/8" (22 mm)	0.848" (21.54 mm)	0.898" (22.81 mm)	1.107 (28.12 mm)	1.151 (29.24 mm)	0.005" (0.13 mm)
1" (23 mm)	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)
1-1/4" (30 mm)	1.199" (30.45 mm)	1.257" (31.93 mm)	1.446" (36.73 mm)	1.500" (38.10 mm)	0.006" (0.15 mm)
1-1/2" (40 mm)	1.566" (39.78 mm)	1.647" (41.83 mm)	1.867" (47.42 mm)	1.947" (49.45 mm)	0.006" (0.15 mm)
2" (51 mm)	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	No		
Performance Characteristics			
Flexibility	Good		
Abrasion Resistance	Excellent		
Chemical Resistance	Good		
Recommended Operating Upper Temperature	+300°F (149°C)		
Recommended Operating Lower Temperature	-40°F (-40°C)		
Typical Physical Properties	Test Method	Value	Units
Specific Gravity/Density	ISO 1183-A	1.06	-
Elongation @ Break	-	-	-
Elongation @ Yield	-	-	-
Tensile Strength @ 25C	ASTM D638	35.2	MPa
2% Secant Modulus	-	-	-
Flexural Modulus	ASTM D790	1.9	GPa
Melting Point	ISO 3146-C	424 (218)	°F (°C)
Notched Izod Impact Test	ASTM D256	67.4	KJ/m2
Heat Deflection Temperature @66psi	-	-	-
Heat Deflection Temperature @264psi	-	-	-
Material Certifications			
Delphi / Packard			
Ford	WSS-M4D933-A1		
General Motors			
Chrysler			
ASTM	D4066 PA283		
Underwriters Laboratory			
FMVSS 302	Burn rate of max. 101.2mm / min. (1.0 mm thick) Self-extinguishing		

Base Material Chemical Resistance Summary

Material / Chemical	Rating
Engine Coolant	Good
Brake Fluid	Excellent
Diesel Fuel	Excellent
Gas	Excellent
Methanol	Good
Transmission Fluid	Excellent
Power Steering	Excellent
Engine Oil	Excellent
Engine Cleaner	Good
Antifreeze	Good
Windshield Washer	Good
De-Icer / Road Salt	Excellent
Battery Acid	Poor
Salt	Excellent
Isopropyl	Good
Algae	No Data Available
Chlorine	Poor
Salt Water	Excellent
Fresh Water	Excellent

Rating	Effect Description
Excellent Resistant	Possible slight absorption / changes to weight, dimensions, properties. According to current knowledge, no irreversible damage. Negligible effect on mechanical properties.
Good	Minor Effect. Slight change in properties. Small reduction in mechanical properties likely.
Fair	Moderate Effect. Limited resistance. Softening, loss of strength. Prolonged exposure may cause irreversible damage. Material will have limited life.
Poor	Severe Effect. Irreversible damage. Material may decompose or dissolve.
No Data Available	No performance data available for this chemical / material combination.