

CDR (Cary Diesel Resistant)

Cary Diesel Resistant elastomer is used where resistance to aviation and diesel fuels, hydraulic fluids and other chemicals is important. It is suited for protecting cables, wiring harnesses and brake lines in these environments. It is especially suitable for protecting cables and harnesses on military ground vehicles.

Ordering Size	Minimum Expanded ID		Maximum Recovered ID		Nominal Recovered Wall		Standard Spool
	Inch	mm	Inch	mm	Inch	mm	
1/8"	.125	3.18	.062	1.59	.030	.76	200
3/16"	.187	4.75	.093	2.38	.035	.89	200
1/4"	.250	6.35	.125	3.18	.035	.89	200
3/8"	.375	9.53	.187	4.76	.040	1.02	100
1/2"	.500	12.70	.250	6.35	.048	1.22	100
3/4"	.750	19.05	.375	9.53	.057	1.45	100
1"	1.000	25.40	.500	12.70	.070	1.78	100
1 1/2" *	1.500	38.10	.750	19.05	.095	2.41	100
2"*	2.000	50.80	1.000	25.40	.110	2.79	100

Mil-I-23053/16 Standard Color: Black Available on spools. (1/8" – 1" stocked,)

CDR Technical Data

Physical	Test Method	Typical Value
Tensile Strength (psi)	ASTM-D6381	1700 min
Elongation (%)	ASTM-D638	250 min
Specific Gravity	ASTM-D792	1.50 max
Continuous Operating Temp	-	-75C (-103F) to 120C (248F)
Minimum Shrink Temp	-	150C (302F)
Heat Resistant Properties (168 Hrs @ 150C)		
Tensile Strength	ASTMD638	1500 Min
Elongation	ASTMD638	200 Min
Heat Shock (4 Hrs @ 200C)	M23053	Pass
Longitudinal Change	M23053	+/- 10%

Electrical

Dielectric Strength	ASTM-D876	300 Min
Volume Resistivity	ASTM-D876	10(10) ohm-cm

Chemical

Corrosion, copper contact (121C, 16 Hrs)	M23053	No Corrosion
Water Absorption (%)	ASTMD570	2.0 Max
Fluid Resistance (23C, 24 Hrs)		
Tensile Strength (psi)	M23053	1500 Min
Flammability	M23053	Pass

*Above values are typical performance data and should not be used as design data