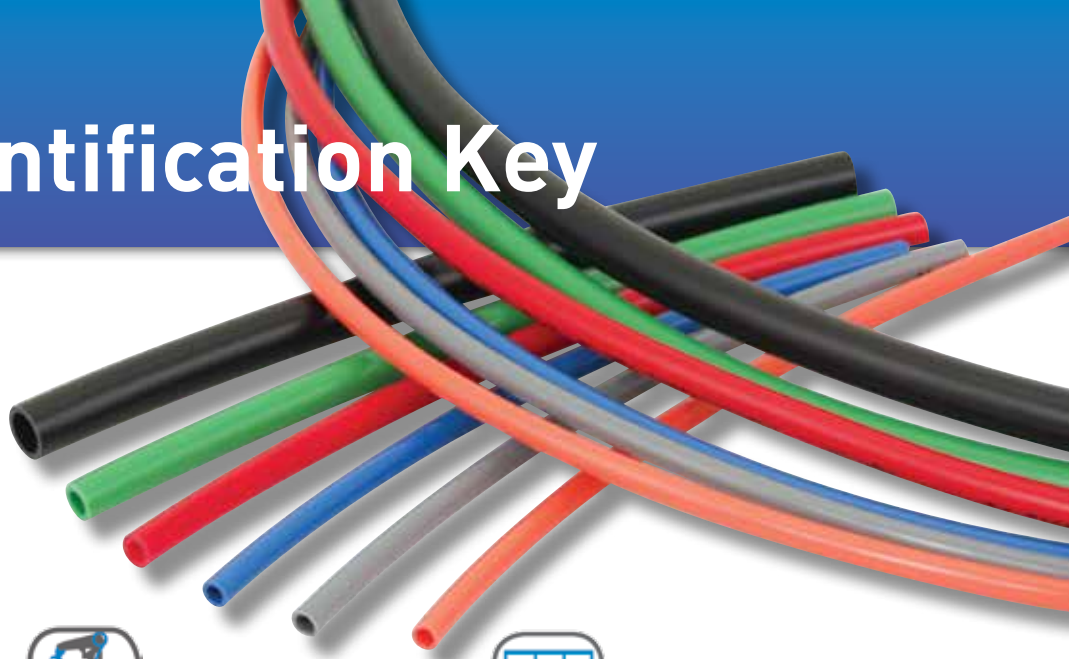


# ICON Identification Key



Agriculture



Automotive



Compressed Gas



Construction



Electrical



Fluid Handling



Food/Beverage



Forestry



Grounds/Bldg. Mtn.



Industrial



Industrial Pneumatic



Machine Tool



Marine



Material Handling



Medical



Military



Mining



Oilfield Service



Paint



Paving & Road  
Maintenance



Personnel Equipment



Pharmaceutical



RV & Bus



Semiconductor



Sewer Hose



Transportation



Utility Equipment



Waste Refuse

*For detailed ordering information, please consult price list or contact Parflex® Division.*

# 53DM/538DM – DuraMax™ Low Temperature



## Features

- Matte cover for low coefficient of friction
- Superior flexibility in cold temperature applications
- Better bend radius than SAE J517 and 100R7
- Smaller O.D.s than 100R7 and 100R18
- 3000 psi constant pressure

## Certifications

- Meets/Exceeds SAE 100R18
- 538DM Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

## Applications/Markets



- Excellent over-the-sheave in lift truck applications
- Cold storage or refrigerated areas
- Construction and agriculture equipment in cold climates

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
53DM-3	538DM-3	3/16	5	.43	11	3,000	20.7	1.00	25	28	.06	.08	55/56
53DM-4	538DM-4	1/4	6	.49	12	3,000	20.7	1.25	32	28	.07	.10	55/56
53DM-5	538DM-5	5/16	8	.60	15	3,000	20.7	2.00	51	28	.10	.15	58/HY*
53DM-6	538DM-6	3/8	10	.66	17	3,000	20.7	2.00	51	28	.11	.16	55/56
53DM-8	538DM-8	1/2	13	.84	21	3,000	20.7	3.50	89	28	.17	.26	55/56
53DM-10	538DM-10	5/8	16	1.03	26	3,000	20.7	4.00	102	28	.22	.33	58
53DM-12	-	3/4	19	1.13	29	3,000	20.7	6.50	165	28	.26	.39	58H

## Construction

Tube: Copolyester  
Reinforcement: Fiber  
Cover: Copolyester

## Operating Parameters

Temperature Range:

-70°F to +212°F (-57°C to +100°C)

For use with water and water-based hydraulic fluids to +135°F (+57°C)

Change in length at Max. Working Pressure: ±2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

55 Series – pg. E-12      56 Series – pg. E-36

58 Series – pg. E-12      58H Series – pg. E-61

HY Series – pg. E-107 (\*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Colors

- Black
- Orange (Non-Conductive)

## Notes

Do not use in over-the-sheave applications

Perforated cover - 53DM

Non-perforated cover - 538DM



For detailed ordering information, please consult price list or contact Parflex® Division.