

SAE-AMS-DTL-23053/5 CLASS 1



M23053/5 is a flexible flame retardant, modified neoprene heat shrinkable tubing for high and low temperature applications to provide rugged cable protection from abrasion, abuse, strain relief and resistance to aviation fuels, solvents, and hydraulic fluids. M23053/5 has a 2:1 shrink ratio.

MIL-DTL-23053/5; Class 1, Class 3, Colors MIL-DTL-23053/5; Class 2, Clear Only UL 224 CSA Standard 198 RoHs Compliant

Class 1 - Flame Retardant - Shelf Life 5 Years

| Blake Part Number | I.D. Min. | I.D. Max | Recovered Wall Thickness |
|-------------------|-----------|----------|-----------------------------|
| BT500-101-X | 0.046 | 0.023 | 0.016 |
| BT500-102-X | 0.063 | 0.031 | 0.017 |
| BT500-103-X | 0.093 | 0.046 | 0.020 |
| BT500-104-X | 0.125 | 0.062 | 0.020 |
| BT500-105-X | 0.187 | 0.093 | 0.020 |
| BT500-106-X | 0.250 | 0.125 | 0.025 |
| BT500-107-X | 0.375 | 0.187 | 0.025 |
| BT500-108-X | 0.500 | 0.250 | 0.025 |
| BT500-109-X | 0.750 | 0.375 | 0.030 |
| BT500-110-X | 1.000 | 0.500 | 0.035 |
| BT500-111-X | 1.500 | 0.750 | 0.040 |
| BT500-112-X | 2.000 | 1.000 | 0.045 |
| BT500-113-X | 3.000 | 1.500 | 0.050 |
| BT500-114-X | 4.000 | 2.000 | 0.055 |

X = Color: See Page BCC-1

Class 1 - Over Expanded, 3:1 Shrink Ratio - Shelf Life 5 Years

| Diameter in Inches | | | | | | |
|--------------------|-----------|----------|-----------------------------|--|--|--|
| Blake Part Number | I.D. Min. | I.D. Max | Recovered Wall Thickness | | | |
| BT500-115-X | 1.000 | 0.275 | 0.045 | | | |
| BT500-116-X | 2.000 | 0.550 | 0.045 | | | |
| BT500-117-X | 3.000 | 0.810 | 0.045 | | | |
| BT500-118-X | 4.000 | 1.050 | 0.045 | | | |
| BT500-119-X | 1.000 | 0.462 | 0.045 | | | |
| BT500-120-X | 2.375 | 0.680 | 0.045 | | | |
| BT500-121-X | 3.000 | 0.840 | 0.045 | | | |
| BT500-122-X | 3.750 | 0.930 | 0.045 | | | |
| BT500-123-X | 4.500 | 1.450 | 0.045 | | | |

X = Color: See Page BCC-1



AMS-DTL-23053/5 CLASS 2

Class 2- Non-Flame Retardant – Storage Life: 5 Years

| Diameter in Inches | | | | |
|--------------------|-----------|----------|-----------------------------|--|
| Blake Part Number | I.D. Min. | I.D. Max | Recovered Wall Thickness | |
| BT500-201-C | 0.046 | 0.023 | 0.016 | |
| BT500-202-C | 0.063 | 0.031 | 0.017 | |
| BT500-203-C | 0.093 | 0.046 | 0.020 | |
| BT500-204-C | 0.125 | 0.062 | 0.020 | |
| BT500-205-C | 0.187 | 0.093 | 0.020 | |
| BT500-206-C | 0.250 | 0.125 | 0.025 | |
| BT500-207-C | 0.375 | 0.187 | 0.025 | |
| BT500-208-C | 0.500 | 0.250 | 0.025 | |
| BT500-209-C | 0.750 | 0.375 | 0.030 | |
| BT500-210-C | 1.000 | 0.500 | 0.035 | |
| BT500-211-C | 1.500 | 0.750 | 0.040 | |
| BT500-212-C | 2.000 | 1.000 | 0.045 | |
| BT500-213-C | 3.000 | 1.500 | 0.050 | |
| BT500-214-C | 4.000 | 2.000 | 0.055 | |

C = Class 2 is only available in Clear

AMS-DTL-23053/5 CLASS 3

Class 3- Highly Flame Retardant - Storage Life: 5 Years

| Diameter in Inches | | | | | |
|--------------------|-----------|----------|-----------------------------|--|--|
| Blake Part Number | I.D. Min. | I.D. Max | Recovered Wall Thickness | | |
| BT500-301-X | 0.046 | 0.023 | 0.016 | | |
| BT500-302-X | 0.063 | 0.031 | 0.017 | | |
| BT500-303-X | 0.093 | 0.046 | 0.020 | | |
| BT500-304-X | 0.125 | 0.062 | 0.020 | | |
| BT500-305-X | 0.187 | 0.093 | 0.020 | | |
| BT500-306-X | 0.250 | 0.125 | 0.025 | | |
| BT500-307-X | 0.375 | 0.187 | 0.025 | | |
| BT500-308-X | 0.500 | 0.250 | 0.025 | | |
| BT500-309-X | 0.750 | 0.375 | 0.030 | | |
| BT500-310-X | 1.000 | 0.500 | 0.035 | | |
| BT500-311-X | 1.500 | 0.750 | 0.040 | | |

X = Color: See Page BCC-1

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