

AS23053 HEAT SHRINK PRODUCT GUIDE

AS23053/11 - FEP
AS23053/12 - PTFE

Overview-

Zeus works with the aerospace and defense industries by providing a full range of military specification (Mil-Spec) compliant heat shrink tubing. Our SAE AS23053/11 and /12 compliant extrusions get you the FEP and PTFE heat shrink you need to match almost any wiring and harness need.

Designed to maximize performance in the most demanding environments, Zeus AS23053/11 (FEP) and AS23053/12 (PTFE) shield critical components from oils, greases, fuels, and more. Zeus heat shrinks offer a complete protection solution by providing solid, tough, and long-lasting encapsulation.

Assembly and Application Temperature

Resin	Typ. Recovery Temperature	Max. Operating Temperature
FEP	420 °F (215 °C)	400 °F (204 °C)
PTFE	650 °F (340 °C)	500 °F (260 °C)

Production Facilities-



ASC: Aiken, South Carolina, USA.
Cage Code: 747L1



OSC: Orangeburg, South Carolina, USA.
Cage Code: 6Y609



IRE: Letterkenny, Ireland.
Cage Code: SYMO6



AS23053/11 - FEP

- Class 1 = Normal Shrink Ratio, Heavy Wall
- Class 2 = High Shrink Ratio, Medium Wall

AS23053/12 - PTFE

- Class 1 = Thick Wall Slewing
- Class 2 = Standard Wall Slewing
- Class 3 = Thin Wall Slewing
- Class 4 = Very Thin Wall Slewing
- Class 5 = High Shrink, Thin Wall

MIL SPEC COLOR CODES

- 0 - Black
- 1 - Brown
- 2 - Red
- 3 - Orange
- 4 - Yellow
- 5 - Green
- 6 - Blue
- 7 - Violet
- 8 - Grey
- 9 - White
- C - Clear/Natural

Sizes of Zeus FEP heat shrink listed on the Qualified Products List (QPL) comply with AS23053/11 standards. To cross-reference the QPL Specification Designation with the Zeus Manufacturer Designation, please use the tables provided throughout this product guide.

CLASS 1 - Normal Shrink Ratio, Heavy Wall											
Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum ReclD		Wall		Approved Manufacturing Sites		
			inch	mm	inch	mm	inch	mm			
M23053/11-101-*	1.3:1	AWG 24	0.031	0.8	0.027	0.7	0.008 ± 0.002	0.2 ± 0.1		OSC	IRE
M23053/11-102-*	1.3:1	AWG 22	0.036	0.9	0.032	0.8	0.008 ± 0.002	0.2 ± 0.1		OSC	IRE
M23053/11-103-*	1.3:1	AWG 20	0.045	1.1	0.039	1.0	0.008 ± 0.002	0.2 ± 0.1		OSC	IRE
M23053/11-104-*	1.3:1	AWG 18	0.060	1.5	0.049	1.2	0.008 ± 0.002	0.2 ± 0.1	ASC	OSC	IRE
M23053/11-105-*	1.3:1	AWG 16	0.075	1.9	0.061	1.5	0.009 ± 0.002	0.2 ± 0.1	ASC	OSC	IRE
M23053/11-106-*	1.3:1	AWG 14	0.092	2.3	0.072	1.8	0.009 ± 0.002	0.2 ± 0.1	ASC	OSC	IRE
M23053/11-107-*	1.3:1	AWG 12	0.115	2.9	0.089	2.3	0.009 ± 0.002	0.2 ± 0.1	ASC	OSC	IRE
M23053/11-108-*	1.3:1	AWG 10	0.141	3.6	0.114	2.9	0.010 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-109-*	1.3:1	AWG 9	0.158	4.0	0.124	3.1	0.010 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-110-*	1.3:1	AWG 8	0.180	4.6	0.143	3.6	0.010 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-111-*	1.3:1	AWG 7	0.197	5.0	0.158	4.0	0.011 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-112-*	1.3:1	AWG 6	0.225	5.7	0.180	4.6	0.011 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-113-*	1.3:1	AWG 5	0.248	6.3	0.198	5.0	0.011 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-114-*	1.3:1	AWG 4	0.290	7.4	0.226	5.7	0.011 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-115-*	1.3:1	AWG 3	0.310	7.9	0.249	6.3	0.011 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-116-*	1.3:1	AWG 2	0.365	9.3	0.280	7.1	0.012 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-117-*	1.3:1	AWG 1	0.400	10.2	0.311	7.9	0.012 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-118-*	1.3:1	AWG 0	0.440	11.2	0.349	8.9	0.012 ± 0.004	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-119-*	1.3:1	3/8	0.500	12.7	0.383	9.7	0.015 ± 0.004	0.4 ± 0.1	ASC	OSC	IRE
M23053/11-120-*	1.3:1	7/16	0.580	14.7	0.448	11.4	0.020 ± 0.004	0.5 ± 0.1	ASC	OSC	IRE
M23053/11-121-*	1.3:1	1/2	0.666	16.9	0.510	13.0	0.020 ± 0.004	0.5 ± 0.1	ASC	OSC	IRE
M23053/11-122-*	1.3:1	5/8	0.830	21.1	0.637	16.2	0.025 ± 0.004	0.6 ± 0.1	ASC	OSC	IRE
M23053/11-123-*	1.3:1	3/4	1.000	25.4	0.764	19.4	0.030 ± 0.004	0.8 ± 0.1	ASC		IRE
M23053/11-124-*	1.3:1	7/8	1.170	29.7	0.891	22.6	0.035 ± 0.004	0.9 ± 0.1	ASC		IRE
M23053/11-125-*	1.3:1	1.300	1.300	33.0	1.000	25.4	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-126-*	1.3:1	1.000	1.330	33.8	1.020	25.9	0.035 ± 0.004	0.9 ± 0.1	ASC		IRE
M23053/11-127-*	1.3:1	1.700	1.700	43.2	1.300	33.0	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-128-*	1.2:1	2.100	2.100	53.3	1.700	43.2	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-129-*	1.2:1	2.600	2.600	66.0	2.100	53.3	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-130-*	1.2:1	3.100	3.100	78.7	2.600	66.0	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-131-*	1.1:1	3.500	3.500	88.9	3.100	78.7	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-132-*	1.2:1	4.300	4.300	109.2	3.500	88.9	0.020 ± 0.004	0.5 ± 0.1	ASC		IRE
M23053/11-133-*	1.3:1	1 1/8	1.500	38.1	1.145	29.1	0.035 ± 0.004	0.9 ± 0.1	ASC		IRE
M23053/11-134-*	1.3:1	1 1/4	1.666	42.3	1.270	32.3	0.035 ± 0.004	0.9 ± 0.1	ASC		IRE
M23053/11-135-*	1.3:1	1 3/8	1.833	46.6	1.390	35.3	0.035 ± 0.004	0.9 ± 0.1	ASC		IRE
M23053/11-136-*	1.3:1	1 1/2	2.000	50.8	1.570	39.9	0.035 ± 0.004	0.9 ± 0.1	ASC		IRE

* Color code designation

Heat Shrink

AS23053/11 - Insulation Sleeving, Electrical, Heat Shrinkable FEP (Fluorinated Ethylene Propylene), Non-Crosslinked

CLASS 2 - High Shrink Ratio, Medium Wall

Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum ReclD		Wall		Approved Manufacturing Sites		
			inch	mm	inch	mm	inch	mm			
M23053/11-201-*	1.6:1	3/32	0.093	2.4	0.056	1.4	0.008 ± 0.003	0.2 ± 0.1	ASC	OSC	IRE
M23053/11-202-*	1.6:1	1/8	0.125	3.2	0.075	1.9	0.010 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-203-*	1.6:1	3/16	0.188	4.8	0.115	2.9	0.010 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-204-*	1.6:1	1/4	0.250	6.4	0.150	3.8	0.010 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-205-*	1.6:1	3/8	0.375	9.5	0.225	5.7	0.012 ± 0.003	0.3 ± 0.1	ASC	OSC	IRE
M23053/11-206-*	1.6:1	1/2	0.500	12.7	0.300	7.6	0.015 ± 0.004	0.4 ± 0.1	ASC	OSC	IRE
M23053/11-207-*	1.6:1	3/4	0.750	19.1	0.450	11.4	0.020 ± 0.004	0.5 ± 0.1	ASC	OSC	IRE
M23053/11-208-*	1.6:1	1.000	1.000	25.4	0.600	15.2	0.025 ± 0.005	0.6 ± 0.1	ASC		IRE
M23053/11-209-*	1.6:1	1 1/2	1.500	38.1	0.900	22.9	0.030 ± 0.005	0.8 ± 0.1	ASC		IRE
M23053/11-210-*	1.6:1	2.000	2.000	50.8	1.200	30.5	0.030 ± 0.005	0.8 ± 0.1	ASC		IRE

* Color code designation

Heat Shrink

AS23053/12 - Insulation Sleeving, Electrical, Heat Shrinkable
Polytetrafluoroethylene (PTFE)

Sizes of Zeus PTFE heat shrink listed on the Qualified Products List (QPL) comply with AS23053/12 standards. To cross-reference the QPL Specification Designation with the Zeus Manufacturer Designation, please use the tables provided throughout this product guide.

CLASS 1 - Thick Wall Sleeving										
Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum ReclD		Wall		Approved Manufacturing Sites	
			inch	mm	inch	mm	inch	mm		
M23053/12-101-*	2:1	1/8	0.166	4.2	0.130	3.3	0.030 ± 0.005	0.8 ± 0.1		OSC IRE
M23053/12-102-*	2:1	3/16	0.250	6.4	0.193	4.9	0.030 ± 0.005	0.8 ± 0.1		OSC IRE
M23053/12-103-*	2:1	1/4	0.333	8.5	0.257	6.5	0.030 ± 0.005	0.8 ± 0.1		OSC IRE
M23053/12-104-*	2:1	5/16	0.415	10.5	0.320	8.1	0.030 ± 0.005	0.8 ± 0.1		OSC IRE
M23053/12-105-*	2:1	3/8	0.498	12.6	0.383	9.7	0.030 ± 0.005	0.8 ± 0.1		OSC IRE
M23053/12-106-*	2:1	7/16	0.580	14.7	0.448	11.4	0.030 ± 0.006	0.8 ± 0.2		OSC IRE
M23053/12-107-*	2:1	1/2	0.666	16.9	0.510	13.0	0.030 ± 0.006	0.8 ± 0.2		OSC IRE
M23053/12-108-*	2:1	9/16	0.748	19.0	0.572	14.5	0.030 ± 0.006	0.8 ± 0.2		OSC IRE
M23053/12-109-*	2:1	5/8	0.830	21.1	0.637	16.2	0.030 ± 0.006	0.8 ± 0.2		OSC IRE
M23053/12-110-*	2:1	11/16	0.915	23.2	0.700	17.8	0.032 ± 0.006	0.8 ± 0.2		OSC IRE
M23053/12-111-*	2:1	3/4	1.000	25.4	0.764	19.4	0.040 ± 0.007	1.0 ± 0.2		OSC
M23053/12-112-*	2:1	7/8	1.170	29.7	0.891	22.6	0.045 ± 0.007	1.1 ± 0.2		OSC
MS3053/12-113-*	2:1	1.000	1.330	33.8	1.020	25.9	0.050 ± 0.008	1.3 ± 0.2		OSC

* Color code designation

CLASS 2 - Standard Wall Sleeving

Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum RecID		Wall		Approved Manufacturing Sites		
			inch	mm	inch	mm	inch	mm			
M23053/12-201-*	2:1	AWG 24	0.050	1.3	0.027	0.7	0.012 ± 0.002	0.3 ± 0.1		OSC	IRE
M23053/12-202-*	2:1	AWG 22	0.055	1.4	0.032	0.8	0.012 ± 0.002	0.3 ± 0.1		OSC	IRE
M23053/12-203-*	2:1	AWG 20	0.060	1.5	0.039	1.0	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-204-*	2:1	AWG 19	0.065	1.7	0.043	1.1	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-205-*	2:1	AWG 18	0.076	1.9	0.049	1.2	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-206-*	2:1	AWG 17	0.085	2.2	0.054	1.4	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-207-*	2:1	AWG 15	0.110	2.8	0.067	1.7	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-208-*	2:1	AWG 14	0.120	3.0	0.072	1.8	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-209-*	2:1	0.130	0.130	3.3	0.080	2.0	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-210-*	2:1	AWG 13	0.140	3.6	0.080	2.0	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-211-*	2:1	AWG 12	0.150	3.8	0.089	2.3	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-212-*	2:1	AWG 11	0.170	4.3	0.101	2.6	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-213-*	2:1	AWG 10	0.191	4.9	0.112	2.8	0.016 ± 0.003	0.4 ± 0.1		OSC	IRE
M23053/12-214-*	2:1	AWG 9	0.205	5.2	0.124	3.1	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-215-*	2:1	1/8	0.215	5.5	0.130	3.3	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-216-*	2:1	AWG 8	0.240	6.1	0.141	3.6	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-217-*	2:1	AWG 7	0.270	6.9	0.158	4.0	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-218-*	2:1	AWG 6	0.302	7.7	0.178	4.5	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-219-*	2:1	AWG 5	0.320	8.1	0.198	5.0	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-220-*	2:1	AWG 4	0.370	9.4	0.224	5.7	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-221-*	2:1	AWG 3	0.390	9.9	0.249	6.3	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-222-*	2:1	1/4	0.410	10.4	0.260	6.6	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-223-*	2:1	AWG 2	0.430	10.9	0.278	7.1	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-224-*	2:1	AWG 1	0.450	11.4	0.311	7.9	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-225-*	2:1	5/16	0.470	11.9	0.329	8.4	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-226-*	2:1	AWG 0	0.470	11.9	0.347	8.8	0.020 ± 0.004	0.5 ± 0.1		OSC	IRE
M23053/12-227-*	2:1	0.470	0.470	11.9	0.334	8.5	0.025 ± 0.006	0.6 ± 0.2		OSC	IRE
M23053/12-228-*	2:1	3/8	0.560	14.2	0.399	10.1	0.025 ± 0.006	0.6 ± 0.2		OSC	IRE
M23053/12-229-*	2:1	7/16	0.655	16.6	0.462	11.7	0.025 ± 0.006	0.6 ± 0.2		OSC	IRE
M23053/12-230-*	2:1	1/2	0.750	19.1	0.524	13.3	0.025 ± 0.006	0.6 ± 0.2		OSC	IRE
M23053/12-231-*	2:1	5/8	0.930	23.6	0.655	16.6	0.030 ± 0.006	0.8 ± 0.2		OSC	IRE
M23053/12-232-*	2:1	3/4	1.125	28.6	0.786	20.0	0.035 ± 0.008	0.9 ± 0.2		OSC	
M23053/12-233-*	2:1	7/8	1.310	33.3	0.911	23.1	0.035 ± 0.008	0.9 ± 0.2		OSC	
M23053/12-234-*	2:1	1.000	1.500	38.1	1.036	26.3	0.035 ± 0.008	0.9 ± 0.2		OSC	

* Color code designation

CLASS 3 - Thin Wall Sleeving										
Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum ReclD		Wall		Approved Manufacturing Sites	
			inch	mm	inch	mm	inch	mm		
M23053/12-301-*	2:1	AWG 30	0.034	0.9	0.015	0.4	0.009 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-302-*	2:1	AWG 28	0.038	1.0	0.018	0.5	0.009 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-303-*	2:1	AWG 26	0.046	1.2	0.022	0.6	0.010 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-304-*	2:1	AWG 24	0.050	1.3	0.027	0.7	0.010 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-305-*	2:1	AWG 22	0.055	1.4	0.032	0.8	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-306-*	2:1	AWG 20	0.060	1.5	0.039	1.0	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-307-*	2:1	AWG 19	0.065	1.7	0.043	1.1	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-308-*	2:1	AWG 18	0.076	1.9	0.049	1.2	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-309-*	2:1	AWG 17	0.085	2.2	0.054	1.4	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-310-*	2:1	AWG 16	0.093	2.4	0.061	1.5	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-311-*	2:1	AWG 15	0.110	2.8	0.067	1.7	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-312-*	2:1	AWG 14	0.120	3.0	0.072	1.8	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-313-*	2:1	AWG 13	0.140	3.6	0.080	2.0	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-314-*	2:1	AWG 12	0.150	3.8	0.089	2.3	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-315-*	2:1	0.153	0.153	3.9	0.096	2.4	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-316-*	2:1	AWG 11	0.170	4.3	0.101	2.6	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-317-*	2:1	AWG 10	0.191	4.9	0.112	2.8	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-318-*	2:1	AWG 9	0.205	5.2	0.124	3.1	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-319-*	2:1	1/8	0.215	5.5	0.130	3.3	0.015 ± 0.003	0.4 ± 0.1		OSC IRE
M23053/12-320-*	2:1	AWG 8	0.240	6.1	0.141	3.6	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-321-*	2:1	AWG 7	0.270	6.9	0.158	4.0	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-322-*	2:1	AWG 6	0.302	7.7	0.178	4.5	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-323-*	2:1	AWG 5	0.320	8.1	0.198	5.0	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-324-*	2:1	AWG 4	0.370	9.4	0.224	5.7	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-325-*	2:1	AWG 3	0.390	9.9	0.249	6.3	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-326-*	2:1	1/4	0.410	10.4	0.260	6.6	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-327-*	2:1	AWG 2	0.430	10.9	0.278	7.1	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-328-*	2:1	AWG 1	0.450	11.4	0.311	7.9	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-329-*	2:1	5/16	0.470	11.9	0.329	8.4	0.015 ± 0.004	0.4 ± 0.1		OSC IRE
M23053/12-330-*	2:1	AWG 0	0.470	11.9	0.347	8.8	0.015 ± 0.004	0.4 ± 0.1		OSC IRE

* Color code designation

CLASS 4 - Very Thin Wall Sleeving

Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum RecID		Wall		Approved Manufacturing Sites	
			inch	mm	inch	mm	inch	mm		
M23053/12-401-*	2:1	AWG 24	0.050	1.3	0.025	0.6	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-402-*	2:1	AWG 22	0.055	1.4	0.031	0.8	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-403-*	2:1	AWG 20	0.060	1.5	0.038	1.0	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-404-*	2:1	AWG 19	0.065	1.7	0.043	1.1	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-405-*	2:1	AWG 18	0.076	1.9	0.046	1.2	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-406-*	2:1	AWG 17	0.085	2.2	0.054	1.4	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-407-*	2:1	AWG 16	0.093	2.4	0.057	1.4	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-408-*	2:1	AWG 15	0.110	2.8	0.063	1.6	0.006 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-409-*	2:1	AWG 14	0.120	3.0	0.072	1.8	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-410-*	2:1	AWG 13	0.140	3.6	0.080	2.0	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-411-*	2:1	AWG 12	0.150	3.8	0.089	2.3	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-412-*	2:1	AWG 11	0.170	4.3	0.099	2.5	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-413-*	2:1	AWG 10	0.191	4.9	0.110	2.8	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-414-*	2:1	AWG 9	0.205	5.2	0.122	3.1	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-415-*	2:1	1/8	0.215	5.5	0.130	3.3	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-416-*	2:1	AWG 8	0.240	6.1	0.139	3.5	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-417-*	2:1	AWG 7	0.270	6.9	0.154	3.9	0.008 ± 0.002	0.2 ± 0.1		OSC IRE
M23053/12-418-*	2:1	AWG 6	0.302	7.7	0.172	4.4	0.010 ± 0.002	0.3 ± 0.1		OSC IRE
M23053/12-419-*	2:1	AWG 5	0.320	8.1	0.192	4.9	0.010 ± 0.002	0.3 ± 0.1		OSC IRE
M23053/12-420-*	2:1	AWG 4	0.370	9.4	0.214	5.4	0.010 ± 0.002	0.3 ± 0.1		OSC IRE
M23053/12-421-*	2:1	AWG 3	0.390	9.9	0.241	6.1	0.010 ± 0.002	0.3 ± 0.1		OSC IRE
M23053/12-422-*	2:1	1/4	0.410	10.4	0.260	6.6	0.010 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-423-*	2:1	AWG 2	0.430	10.9	0.270	6.9	0.010 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-424-*	2:1	AWG 1	0.450	11.4	0.301	7.6	0.010 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-425-*	2:1	5/16	0.470	11.9	0.329	8.4	0.012 ± 0.003	0.3 ± 0.1		OSC IRE
M23053/12-426-*	2:1	AWG 0	0.470	11.9	0.347	8.8	0.012 ± 0.003	0.3 ± 0.1		OSC IRE

* Color code designation

CLASS 5 - High Shrink, Thin Wall

Specification Designation	Ratio	Nom ExplD	Minimum ExplD		Maximum ReclD		Wall		Approved Manufacturing Sites	
			inch	mm	inch	mm	inch	mm		
M23053/12-501-*	4:1	5/64	0.078	2.0	0.025	0.6	0.009 ± 0.002	0.2 ± 0.1	OSC	IRE
M23053/12-502-*	4:1	1/8	0.125	3.2	0.037	0.9	0.012 ± 0.002	0.3 ± 0.1	OSC	IRE
M23053/12-503-*	4:1	3/16	0.187	4.7	0.050	1.3	0.012 ± 0.002	0.3 ± 0.1	OSC	IRE
M23053/12-504-*	4:1	1/4	0.250	6.4	0.063	1.6	0.012 ± 0.002	0.3 ± 0.1	OSC	IRE
M23053/12-505-*	4:1	5/16	0.312	7.9	0.078	2.0	0.012 ± 0.002	0.3 ± 0.1	OSC	IRE
M23053/12-506-*	4:1	3/8	0.375	9.5	0.096	2.4	0.012 ± 0.002	0.3 ± 0.1	OSC	IRE
M23053/12-507-*	4:1	7/16	0.438	11.1	0.112	2.8	0.012 ± 0.002	0.3 ± 0.1	OSC	IRE
M23053/12-508-*	4:1	1/2	0.500	12.7	0.144	3.7	0.015 ± 0.004	0.4 ± 0.1	OSC	IRE
M23053/12-509-*	4:1	9/16	0.562	14.3	0.155	3.9	0.015 ± 0.004	0.4 ± 0.1	OSC	IRE
M23053/12-510-*	4:1	5/8	0.625	15.9	0.178	4.5	0.015 ± 0.004	0.4 ± 0.1	OSC	IRE
M23053/12-511-*	4:1	11/16	0.687	17.4	0.198	5.0	0.015 ± 0.004	0.4 ± 0.1	OSC	IRE
M23053/12-512-*	4:1	3/4	0.750	19.1	0.224	5.7	0.015 ± 0.004	0.4 ± 0.1	OSC	IRE
M23053/12-513-*	4:1	7/8	0.875	22.2	0.244	6.1	0.015 ± 0.004	0.4 ± 0.1	OSC	IRE

* Color code designation