Heat Shrink

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)

AS23053/11 - FEP

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

AS23053/12 - PTFE

- Class 1 = Thick Wall Sleeving
- Class 2 = Standard Wall Sleeving
- Class 3 = Thin Wall Sleeving
- 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 (Purple)
- 8 – Grey (Slate)
- 9 – White
- Pink
- Tan
- C – Clear/Natural

Production Facilities-

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

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

IRE: Letterkenny, Ireland.
Cage Code: SYMO6

BNJ: Branchburg, NJ, USA.
Cage Code: 32039

Heat Shrink

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

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 RecID		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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			

** Color code designation*

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 RecID		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	BNJ
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	BNJ
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	BNJ
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	BNJ
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	BNJ
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			
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			

** 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 RecID		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*

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

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*

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

CLASS 3 - Thin Wall Sleeving

Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum RecID		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*

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

CLASS 5 - High Shrink, Thin Wall

Specification Designation	Ratio	Nom ExpID	Minimum ExpID		Maximum RecID		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*