



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/14

CONDUCTOR:

Tin Plated Copper

INSULATION:

Crosslinked Modified Polyethylene (XLPE)

TEMP. RATING:

125° C

VOLTAGE RATING:

600 volts

M16878/14 EXTRUDED - TPC 125° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/14
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-14-3201-*	32	1	32	0.0080	0.0080	.024"	.030"	M16878/14 BAA-*	
WMB-14-3207-*	32	7	40	0.0031	0.0100	.026"	.032"	M16878/14 BAB-*	
WMB-14-3001-*	30	1	30	0.0100	0.0100	.026"	.032"	M16878/14 BBA-*	
WMB-14-3007-*	30	7	38	0.0040	0.0120	.028"	.034"	M16878/14 BBB-*	
WMB-14-2801-*	28	1	28	0.0126	0.0126	.029"	.035"	M16878/14 BCA-*	
WMB-14-2807-*	28	7	36	0.0050	0.0150	.031"	.037"	M16878/14 BCB-*	
WMB-14-2601-*	26	1	26	0.0159	0.0159	.032"	.038"	M16878/14 BDA-*	
WMB-14-2607-*	26	7	34	0.0063	0.0190	.035"	.041"	M16878/14 BDB-*	
WMB-14-2619-*	26	19	38	0.0040	0.0200	.035"	.041"	M16878/14 BDE-*	
WMB-14-2401-*	24	1	24	0.0201	0.0201	.036"	.044"	M16878/14 BEA-*	
WMB-14-2407-*	24	7	32	0.0080	0.0240	.040"	.047"	M16878/14 BEB-*	
WMB-14-2419-*	24	19	36	0.0050	0.0250	.040"	.047"	M16878/14 BEE-*	
WMB-14-2201-*	22	1	22	0.0253	0.0254	.041"	.0499"	M16878/14 BFA-*	
WMB-14-2207-*	22	7	30	0.0100	0.0300	.046"	.053"	M16878/14 BFB-*	
WMB-14-2219-*	22	19	34	0.0063	0.0320	.046"	.053"	M16878/14 BFE-*	
WMB-14-2001-*	20	1	20	0.0320	0.0320	.048"	.055"	M16878/14 BGA-*	
WMB-14-2007-*	20	7	28	0.0126	0.0380	.054"	.061"	M16878/14 BGB-*	
WMB-14-2019-*	20	19	32	0.0080	0.0400	.054"	.061"	M16878/14 BGE-*	
WMB-14-1801-*	18	1	18	0.0403	0.0403	.056"	.064"	M16878/14 BHA-*	
WMB-14-1807-*	18	7	26	0.0159	0.0480	.064"	.071"	M16878/14 BHB-*	
WMB-14-1819-*	18	19	30	0.0100	0.0500	.064"	.071"	M16878/14 BHE-*	
WMB-14-1601-*	16	1	16	0.0508	0.0508	.067"	.075"	M16878/14 BJA-*	
WMB-14-1619-*	16	19	29	0.0113	0.0570	.073"	.081"	M16878/14 BJE-*	
WMB-14-1401-*	14	1	14	0.0641	0.0641	.080"	.088"	M16878/14 BKA-*	
WMB-14-1419-*	14	19	27	0.0142	0.0720	.088"	.096"	M16878/14 BKE-*	

*COLOR CODES: 0 = BLACK; 1 = BROWN; 2 = RED; 3 = ORANGE; 4 = YELLOW; 5 = GREEN; 6 = BLUE; 7 = VIOLET; 8 = GRAY; 9 = WHITE

*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/15

CONDUCTOR:

Tin Plated Copper

INSULATION:

Crosslinked Modified Polyethylene (XLPE)

TEMP. RATING:

125° C

VOLTAGE RATING:

1000 volts

M16878/15 EXTRUDED - TPC 125° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/15
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-15-2601-*	26	1	26	0.0159	0.0159	.046"	.054"	M16878/15 BDA-*	
WMB-15-2607-*	26	7	34	0.0063	0.0190	.049"	.057"	M16878/15 BDB-*	
WMB-15-2619-*	26	19	38	0.0040	0.0200	.049"	.057"	M16878/15 BDE-*	
WMB-15-2401-*	24	1	24	0.0201	0.0201	.050"	.058"	M16878/15 BEA-*	
WMB-15-2407-*	24	7	32	0.0080	0.0240	.054"	.062"	M16878/15 BEB-*	
WMB-15-2419-*	24	19	36	0.0050	0.0250	.054"	.062"	M16878/15 BEE-*	
WMB-15-2201-*	22	1	22	0.0253	0.0254	.055"	.064"	M16878/15 BFA-*	
WMB-15-2207-*	22	7	30	0.0100	0.0300	.060"	.068"	M16878/15 BFB-*	
WMB-15-2219-*	22	19	34	0.0063	0.0320	.060"	.068"	M16878/15 BFE-*	
WMB-15-2001-*	20	1	20	0.0320	0.0320	.062"	.070"	M16878/15 BGA-*	
WMB-15-2007-*	20	7	28	0.0126	0.0380	.068"	.076"	M16878/15 BGB-*	
WMB-15-2019-*	20	19	32	0.0080	0.0400	.068"	.076"	M16878/15 BGE-*	
WMB-15-1801-*	18	1	18	0.0403	0.0403	.070"	.079"	M16878/15 BHA-*	
WMB-15-1807-*	18	7	26	0.0159	0.0480	.076"	.086"	M16878/15 BHB-*	
WMB-15-1819-*	18	19	30	0.0100	0.0500	.076"	.086"	M16878/15 BHE-*	
WMB-15-1601-*	16	1	16	0.0508	0.0508	.080"	.089"	M16878/15 BJA-*	
WMB-15-1619-*	16	19	29	0.0113	0.0570	.087"	.095"	M16878/15 BJE-*	
WMB-15-1626-*	16	26	30	0.0100	0.0600	.090"	.098"	M16878/15 BJF-*	
WMB-15-1401-*	14	1	14	0.0641	0.0641	.094"	.103"	M16878/15 BKA-*	
WMB-15-1419-*	14	19	27	0.0142	0.0720	.102"	.110"	M16878/15 BKE-*	
WMB-15-1441-*	14	41	30	0.0100	0.0760	.106"	.114"	M16878/15 BKH-*	
WMB-15-1219-*	12	19	25	0.0179	0.0910	.112"	.129"	M16878/15 BLE-*	
WMB-15-1237-*	12	37	28	0.0126	0.0890	.119"	.127"	M16878/15 BLG-*	
WMB-15-1265-*	12	65	30	0.0100	0.0930	.123"	.131"	M16878/15 BLJ-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/16

CONDUCTOR:

Tin Plated Copper

INSULATION:

Crosslinked Modified Polyethylene (XLPE)

TEMP. RATING:

125° C

VOLTAGE RATING:

3000 volts

M16878/16 EXTRUDED - TPC 125° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/16
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-16-2601-*	26	1	26	0.0159	0.0159	.067"	.082"	M16878/16 BDA-*	
WMB-16-2607-*	26	7	34	0.0063	0.0190	.070"	.085"	M16878/16 BDB-*	
WMB-16-2619-*	26	19	38	0.0040	0.0200	.070"	.085"	M16878/16 BDE-*	
WMB-16-2401-*	24	1	24	0.0201	0.0201	.071"	.086"	M16878/16 BEA-*	
WMB-16-2407-*	24	7	32	0.0080	0.0240	.075"	.090"	M16878/16 BEB-*	
WMB-16-2419-*	24	19	36	0.0050	0.0250	.075"	.090"	M16878/16 BEE-*	
WMB-16-2201-*	22	1	22	0.0253	0.0254	.076"	.091"	M16878/16 BFA-*	
WMB-16-2207-*	22	7	30	0.0100	0.0300	.081"	.098"	M16878/16 BFB-*	
WMB-16-2219-*	22	19	34	0.0063	0.0320	.081"	.098"	M16878/16 BFE-*	
WMB-16-2001-*	20	1	20	0.0320	0.0320	.083"	.098"	M16878/16 BGA-*	
WMB-16-2007-*	20	7	28	0.0126	0.0380	.089"	.105"	M16878/16 BGB-*	
WMB-16-2019-*	20	19	32	0.0080	0.0400	.089"	.105"	M16878/16 BGE-*	
WMB-16-1801-*	18	1	18	0.0403	0.0403	.091"	.106"	M16878/16 BHA-*	
WMB-16-1807-*	18	7	26	0.0159	0.0480	.099"	.114"	M16878/16 BHB-*	
WMB-16-1819-*	18	19	30	0.0100	0.0470	.099"	.114"	M16878/16 BHE-*	
WMB-16-1601-*	16	1	16	0.0508	0.0508	.102"	.117"	M16878/16 BJA-*	
WMB-16-1619-*	16	19	29	0.0113	0.0570	.108"	.123"	M16878/16 BJE-*	
WMB-16-1626-*	16	26	30	0.0100	0.0600	.111"	.126"	M16878/16 BJF-*	
WMB-16-1401-*	14	1	14	0.0641	0.0641	.115"	.130"	M16878/16 BKA-*	
WMB-16-1419-*	14	19	27	0.0142	0.0720	.123"	.138"	M16878/16 BKE-*	
WMB-16-1441-*	14	41	30	0.0100	0.0760	.127"	.142"	M16878/16 BKH-*	
WMB-16-1219-*	12	19	25	0.0179	0.0920	.156"	.171"	M16878/16 BLE-*	
WMB-16-1237-*	12	37	28	0.0126	0.0890	.153"	.168"	M16878/16 BLG-*	
WMB-16-1265-*	12	65	30	0.0100	0.0930	.157"	.172"	M16878/16 BLJ-*	
WMB-16-1037-*	10	37	26	0.0159	0.1110	.174"	.189"	M16878/16 BMG-*	
WMB-16-8133-*	8	133	29	0.0113	0.1670	.239"	.254"	M16878/16 BNL-*	
WMB-16-8168-*	8	168	30	0.0100	0.1690	.239"	.254"	M16878/16 BNM-*	
WMB-16-6133-*	6	133	27	0.0142	0.2100	.283"	.298"	M16878/16 BPL-*	
WMB-16-4133-*	4	133	25	0.0179	0.2680	.346"	.366"	M16878/16 BRL-*	
WMB-16-2133-*	2	133	23	0.0223	0.3550	.415"	.435"	M16878/16 BSL-*	
WMB-16-2665-*	2	665	30	0.0100	0.3420	.415"	.435"	M16878/16 BSP-*	
WMB-16-1259-*	1	259	25	0.0179	0.3780	.468"	.488"	M16878/16 BTN-*	
WMB-16-1817-*	1	817	30	0.0100	0.3820	.468"	.488"	M16878/16 BTR-*	
WMB-16-01259-*	0	259	24	0.0202	0.4240	.518"	.538"	M16878/16 BUN-*	
WMB-16-011045-*	0	1045	30	0.0100	0.4310	.518"	.538"	M16878/16 BUS-*	
WMB-16-021330-*	00	1330	30	0.0100	0.4750	.575"	.599"	M16878/16 BWT-*	
WMB-16-031672-*	000	1672	30	0.0100	0.5350	.657"	.681"	M16878/16 BYV-*	
WMB-16-042109-*	0000	2109	30	0.0100	0.6000	.709"	.733"	M16878/16 BZW-*	

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Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/17

TYPE BN

CONDUCTOR:

Tin Plated Copper

INSULATION:

Polyvinyl Chloride (PVC) / Polyamide

TEMP. RATING:

105° C

VOLTAGE RATING:

600 volts

M16878/17 EXTRUDED - TPC 105° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/17
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-17-3201-*	32	1	32	0.0080	0.0080	.028"	.038"	M16878/17 BAA-*	
WMB-17-3207-*	32	7	40	0.0031	0.0100	.030"	.040"	M16878/17 BAB-*	
WMB-17-3001-*	30	1	30	0.0100	0.0100	.030"	.040"	M16878/17 BBA-*	
WMB-17-3007-*	30	7	38	0.0040	0.0120	.032"	.042"	M16878/17 BBB-*	
WMB-17-2801-*	28	1	28	0.0126	0.0126	.033"	.043"	M16878/17 BCA-*	
WMB-17-2807-*	28	7	36	0.0050	0.0150	.035"	.045"	M16878/17 BCB-*	
WMB-17-2601-*	26	1	26	0.0159	0.0159	.036"	.046"	M16878/17 BDA-*	
WMB-17-2607-*	26	7	34	0.0063	0.0190	.039"	.049"	M16878/17 BDB-*	
WMB-17-2619-*	26	19	38	0.0040	0.0210	.039"	.049"	M16878/17 BDE-*	
WMB-17-2401-*	24	1	24	0.0201	0.0201	.040"	.051"	M16878/17 BEA-*	
WMB-17-2407-*	24	7	32	0.0080	0.0240	.044"	.055"	M16878/17 BEB-*	
WMB-17-2419-*	24	19	36	0.0050	0.0260	.044"	.055"	M16878/17 BEE-*	
WMB-17-2201-*	22	1	22	0.0253	0.0253	.045"	.056"	M16878/17 BFA-*	
WMB-17-2207-*	22	7	30	0.0100	0.0300	.050"	.061"	M16878/17 BFB-*	
WMB-17-2219-*	22	19	34	0.0063	0.0320	.050"	.061"	M16878/17 BFE-*	
WMB-17-2001-*	20	1	20	0.0320	0.0320	.052"	.063"	M16878/17 BGA-*	
WMB-17-2007-*	20	7	28	0.0126	0.0380	.058"	.069"	M16878/17 BGB-*	
WMB-17-2010-*	20	10	30	0.0100	0.0380	.058"	.069"	M16878/17 BGC-*	
WMB-17-2019-*	20	19	32	0.0080	0.0410	.058"	.069"	M16878/17 BGE-*	
WMB-17-1801-*	18	1	18	0.0403	0.0403	.060"	.072"	M16878/17 BHA-*	
WMB-17-1807-*	18	7	26	0.0159	0.0490	.069"	.080"	M16878/17 BHB-*	
WMB-17-1819-*	18	19	30	0.0100	0.0510	.069"	.080"	M16878/17 BHE-*	
WMB-17-1601-*	16	1	16	0.0508	0.0508	.072"	.084"	M16878/17 BJA-*	
WMB-17-1619-*	16	19	29	0.0113	0.0590	.080"	.092"	M16878/17 BJE-*	
WMB-17-1626-*	16	26	30	0.0100	0.0620	.083"	.095"	M16878/17 BJF-*	
WMB-17-1401-*	14	1	14	0.0641	0.0641	.085"	.097"	M16878/17 BKA-*	
WMB-17-1419-*	14	19	27	0.0142	0.0720	.093"	.105"	M16878/17 BKE-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/18

TYPE CN

CONDUCTOR:

Tin Plated Copper

INSULATION:

Polyvinyl Chloride (PVC) / Polyamide

TEMP. RATING:

105° C

VOLTAGE RATING:

1000 volts

M16878/18 EXTRUDED - TPC 105° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/18
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-18-2601-*	26	1	26	0.0159	0.0159	.050"	.062"	M16878/18 BDA-*	
WMB-18-2607-*	26	7	34	0.0063	0.0190	.053"	.065"	M16878/18 BDB-*	
WMB-18-2619-*	26	19	38	0.0040	0.0210	.053"	.065"	M16878/18 BDE-*	
WMB-18-2401-*	24	1	24	0.0201	0.0201	.054"	.066"	M16878/18 BEA-*	
WMB-18-2407-*	24	7	32	0.0080	0.0240	.058"	.070"	M16878/18 BEB-*	
WMB-18-2419-*	24	19	36	0.0050	0.0260	.058"	.070"	M16878/18 BEE-*	
WMB-18-2201-*	22	1	22	0.0253	0.0254	.059"	.072"	M16878/18 BFA-*	
WMB-18-2207-*	22	7	30	0.0100	0.0300	.064"	.076"	M16878/18 BFB-*	
WMB-18-2219-*	22	19	34	0.0063	0.0330	.064"	.076"	M16878/18 BFE-*	
WMB-18-2001-*	20	1	20	0.0320	0.0320	.066"	.078"	M16878/18 BGA-*	
WMB-18-2007-*	20	7	28	0.0126	0.0380	.072"	.084"	M16878/18 BGB-*	
WMB-18-2010-*	20	10	30	0.0100	0.0380	.072"	.084"	M16878/18 BGC-*	
WMB-18-2019-*	20	19	32	0.0080	0.0410	.072"	.084"	M16878/18 BGE-*	
WMB-18-1801-*	18	1	18	0.0403	0.0403	.075"	.088"	M16878/18 BHA-*	
WMB-18-1807-*	18	7	26	0.0159	0.0490	.084"	.096"	M16878/18 BHB-*	
WMB-18-1819-*	18	19	30	0.0100	0.0510	.084"	.096"	M16878/18 BHE-*	
WMB-18-1601-*	16	1	16	0.0508	0.0508	.085"	.098"	M16878/18 BJA-*	
WMB-18-1619-*	16	19	29	0.0113	0.0590	.094"	.106"	M16878/18 BJE-*	
WMB-18-1626-*	16	26	30	0.0100	0.0620	.097"	.109"	M16878/18 BJF-*	
WMB-18-1401-*	14	1	14	0.0641	0.0641	.099"	.111"	M16878/18 BKA-*	
WMB-18-1419-*	14	19	27	0.0142	0.0720	.107"	.119"	M16878/18 BKE-*	
WMB-18-1441-*	14	41	30	0.0100	0.0800	.115"	.127"	M16878/18 BKH-*	
WMB-18-1201-*	12	1	12	0.0179	0.0808	.116"	.131"	M16878/18 BLA-*	
WMB-18-1219-*	12	19	25	0.0179	0.0910	.127"	.141"	M16878/18 BLE-*	
WMB-18-1237-*	12	37	28	0.0126	0.0890	.125"	.139"	M16878/18 BLG-*	
WMB-18-1265-*	12	65	30	0.0100	0.0980	.139"	.148"	M16878/18 BLJ-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/19

TYPE DN

CONDUCTOR:

Tin Plated Copper

INSULATION:

Polyvinyl Chloride
(PVC) / Polyamide

TEMP. RATING:

105° C

VOLTAGE RATING:

3000 volts

M16878/19 EXTRUDED - TPC 105° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/19
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-19-2401-*	24	1	24	0.0201	0.0201	.076"	.095"	M16878/19 BEA-*	
WMB-19-2407-*	24	7	32	0.0080	0.0240	.080"	.099"	M16878/19 BEB-*	
WMB-19-2419-*	24	19	36	0.0050	0.0260	.080"	.099"	M16878/19 BEE-*	
WMB-19-2201-*	22	1	22	0.0253	0.0254	.081"	.101"	M16878/19 BFA-*	
WMB-19-2207-*	22	7	30	0.0100	0.0300	.086"	.105"	M16878/19 BFB-*	
WMB-19-2219-*	22	19	34	0.0063	0.0320	.088"	.105"	M16878/19 BFE-*	
WMB-19-2001-*	20	1	20	0.0320	0.0320	.088"	.107"	M16878/19 BGA-*	
WMB-19-2007-*	20	7	28	0.0126	0.0380	.094"	.113"	M16878/19 BGB-*	
WMB-19-2019-*	20	19	32	0.0080	0.0410	.094"	.113"	M16878/19 BGE-*	
WMB-19-1801-*	18	1	18	0.0403	0.0403	.096"	.116"	M16878/19 BHA-*	
WMB-19-1807-*	18	7	26	0.0159	0.0490	.105"	.124"	M16878/19 BHB-*	
WMB-19-1819-*	18	19	30	0.0100	0.0510	.105"	.124"	M16878/19 BHE-*	
WMB-19-1601-*	16	1	16	0.0508	0.0508	.108"	.129"	M16878/19 BJA-*	
WMB-19-1619-*	16	19	29	0.0113	0.0590	.116"	.137"	M16878/19 BJE-*	
WMB-19-1626-*	16	26	30	0.0100	0.0620	.119"	.140"	M16878/19 BJF-*	
WMB-19-1401-*	14	1	14	0.0641	0.0641	.121"	.142"	M16878/19 BKA-*	
WMB-19-1419-*	14	19	27	0.0142	0.0720	.129"	.150"	M16878/19 BKE-*	
WMB-19-1441-*	14	41	30	0.0100	0.0800	.137"	.158"	M16878/19 BKH-*	
WMB-19-1201-*	12	1	12	0.0808	0.0808	.159"	.171"	M16878/19 BLE-*	
WMB-19-1219-*	12	19	25	0.0179	0.0920	.162"	.183"	M16878/19 BLE-*	
WMB-19-1237-*	12	37	28	0.0126	0.0890	.159"	.180"	M16878/19 BLG-*	
WMB-19-1265-*	12	65	30	0.0100	0.0980	.168"	.189"	M16878/19 BLJ-*	
WMB-19-1001-*	10	1	10	0.1019	0.1019	.174"	.197"	M16878/19 BMA-*	
WMB-19-1037-*	10	37	26	0.0159	0.1110	.183"	.206"	M16878/19 BMG-*	
WMB-19-10105-*	10	105	30	0.0100	0.1270	.199"	.222"	M16878/19 BMK-*	
WMB-19-8133-*	8	133	29	0.0113	0.1690	.253"	.280"	M16878/19 BNL-*	
WMB-19-6133-*	6	133	27	0.0142	0.2130	.300"	.329"	M16878/19 BPL-*	
WMB-19-4133-*	4	133	25	0.0179	0.2680	.362"	.396"	M16878/19 BRL-*	
WMB-19-2665-*	2	665	30	0.0100	0.3420	.436"	.470"	M16878/19 BSP-*	
WMB-19-1817-*	1	817	30	0.0100	0.3820	.486"	.520"	M16878/19 BTR-*	
WMB-19-011045-*	0	1045	30	0.0100	0.4310	.525"	.545"	M16878/19 BUS-*	

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*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/20

NEMA HP-3

TYPE ET

CONDUCTOR:

Silver Plated Copper
(Silver Plated High-Strength Copper Alloy also available)

INSULATION:

Tape Wrapped
Polytetrafluoroethylene (PTFE)

TEMP. RATING:

-65°C to 200° C

VOLTAGE RATING:

250 volts

M16878/20-HP3 EXTRUDED - SPC 200° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/20 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-20-3207-*	32	7	40	0.0031	0.0100	.020"	.024"	M16878/20 BAB-*	
WMB-20-3001-*	30	1	30	0.0100	0.0100	.020"	.024"	M16878/20 BBA-*	
WMB-20-3007-*	30	7	38	0.0040	0.0120	.022"	.026"	M16878/20 BBB-*	
WMB-20-2801-*	28	1	28	0.0126	0.0126	.023"	.027"	M16878/20 BCA-*	
WMB-20-2807-*	28	7	36	0.0050	0.0150	.025"	.029"	M16878/20 BCB-*	
WMB-20-2601-*	26	1	26	0.0159	0.0159	.026"	.030"	M16878/20 BDA-*	
WMB-20-2607-*	26	7	34	0.0063	0.0190	.029"	.033"	M16878/20 BDB-*	
WMB-20-2619-*	26	19	38	0.0040	0.0200	.029"	.033"	M16878/20 BDE-*	
WMB-20-2401-*	24	1	24	0.0201	0.0201	.030"	.034"	M16878/20 BEA-*	
WMB-20-2407-*	24	7	32	0.0080	0.0240	.034"	.038"	M16878/20 BEB-*	
WMB-20-2419-*	24	19	36	0.0050	0.0250	.034"	.038"	M16878/20 BEE-*	
WMB-20-2201-*	22	1	22	0.0253	0.0254	.035"	.040"	M16878/20 BFA-*	
WMB-20-2207-*	22	7	30	0.0100	0.0300	.040"	.044"	M16878/20 BFB-*	
WMB-20-2219-*	22	19	34	0.0063	0.0320	.040"	.044"	M16878/20 BFE-*	
WMB-20-2001-*	20	1	20	0.0320	0.0320	.042"	.046"	M16878/20 BGA-*	
WMB-20-2007-*	20	7	28	0.0126	0.0380	.048"	.052"	M16878/20 BGB-*	
WMB-20-2019-*	20	19	32	0.0080	0.0400	.048"	.052"	M16878/20 BGE-*	

*COLOR CODES: 0 = BLACK; 1 = BROWN; 2 = RED; 3 = ORANGE; 4 = YELLOW; 5 = GREEN; 6 = BLUE; 7 = VIOLET; 8 = GRAY; 9 = WHITE

*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/21

NEMA HP-3

TYPE E

CONDUCTOR:

Silver Plated Copper
(Silver Plated High-Strength Copper Alloy also available)

INSULATION:

Tape wrapped
Polytetrafluoroethylene (PTFE) (.010" nom. wall)

TEMP. RATING:

-65°C to 200° C

VOLTAGE RATING:

600 volts

M16878/21-HP3 Wrapped PTFE - SPC 200° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/21 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-21-3201-*	32	1	32	0.0080	0.0080	.025"	.033"	M16878/21 BAA-*	
WMB-21-3207-*	32	7	40	0.0031	0.0100	.026"	.034"	M16878/21 BAB-*	
WMB-21-3001-*	30	1	30	0.0100	0.0100	.026"	.034"	M16878/21 BBA-*	
WMB-21-3007-*	30	7	38	0.0040	0.0120	.028"	.036"	M16878/21 BBB-*	
WMB-21-2801-*	28	1	28	0.0126	0.0126	.029"	.037"	M16878/21 BCA-*	
WMB-21-2807-*	28	7	36	0.0050	0.0150	.031"	.039"	M16878/21 BCB-*	
WMB-21-2601-*	26	1	26	0.0159	0.0159	.032"	.040"	M16878/21 BDA-*	
WMB-21-2607-*	26	7	34	0.0063	0.0190	.035"	.043"	M16878/21 BDB-*	
WMB-21-2619-*	26	19	38	0.0040	0.0200	.035"	.043"	M16878/21 BDE-*	
WMB-21-2401-*	24	1	24	0.0201	0.0201	.036"	.044"	M16878/21 BEA-*	
WMB-21-2407-*	24	7	32	0.0080	0.0240	.040"	.048"	M16878/21 BEB-*	
WMB-21-2419-*	24	19	36	0.0050	0.0250	.040"	.048"	M16878/21 BEE-*	
WMB-21-2201-*	22	1	22	0.0253	0.0254	.041"	.050"	M16878/21 BFA-*	
WMB-21-2207-*	22	7	30	0.0100	0.0300	.046"	.054"	M16878/21 BFB-*	
WMB-21-2219-*	22	19	34	0.0063	0.0320	.046"	.054"	M16878/21 BFE-*	
WMB-21-2001-*	20	1	20	0.0320	0.0320	.048"	.056"	M16878/21 BGA-*	
WMB-21-2007-*	20	7	28	0.0126	0.0380	.054"	.062"	M16878/21 BGB-*	
WMB-21-2019-*	20	19	32	0.0080	0.0400	.054"	.062"	M16878/21 BGE-*	
WMB-21-1801-*	18	1	18	0.0403	0.0403	.056"	.066"	M16878/21 BHA-*	
WMB-21-1807-*	18	7	26	0.0159	0.0480	.064"	.074"	M16878/21 BHB-*	
WMB-21-1819-*	18	19	30	0.0100	0.0500	.064"	.074"	M16878/21 BHE-*	
WMB-21-1601-*	16	1	16	0.0508	0.0508	.067"	.081"	M16878/21 BJA-*	
WMB-21-1619-*	16	19	29	0.0113	0.0570	.073"	.087"	M16878/21 BJE-*	
WMB-21-1419-*	14	19	27	0.0142	0.0720	.088"	.102"	M16878/21 BKE-*	
WMB-21-1219-*	12	19	25	0.0179	0.0910	.107"	.121"	M16878/21 BLE-*	
WMB-21-1237-*	12	37	28	0.0126	0.0890	.105"	.119"	M16878/21 BLG-*	
WMB-21-1037-*	10	37	26	0.0159	0.1110	.127"	.141"	M16878/21 BMG-*	

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*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/22

NEMA HP-3

TYPE EE

CONDUCTOR:

Silver Plated Copper
(Silver Plated High-Strength Copper Alloy also available)

INSULATION:

Tape Wrapped
Polytetrafluoroethylene (PTFE)

TEMP. RATING:

-65°C to 200° C

VOLTAGE RATING:

1000 volts

M16878/22-HP3 EXTRUDED - SPC 200° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/22 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-22-3201-*	32	1	32	0.0080	0.0080	.034"	.042"	M16878/22 BAA-*	
WMB-22-3207-*	32	7	40	0.0031	0.0100	.036"	.044"	M16878/22 BAB-*	
WMB-22-3001-*	30	1	30	0.0100	0.0100	.036"	.044"	M16878/22 BBA-*	
WMB-22-3007-*	30	7	38	0.0040	0.0120	.038"	.046"	M16878/22 BBB-*	
WMB-22-2801-*	28	1	28	0.0126	0.0126	.039"	.047"	M16878/22 BCA-*	
WMB-22-2807-*	28	7	36	0.0050	0.0150	.041"	.049"	M16878/22 BCB-*	
WMB-22-2601-*	26	1	26	0.0159	0.0159	.042"	.050"	M16878/22 BDA-*	
WMB-22-2607-*	26	7	34	0.0063	0.0190	.045"	.053"	M16878/22 BDB-*	
WMB-22-2619-*	26	19	38	0.0040	0.0200	.045"	.053"	M16878/22 BDE-*	
WMB-22-2401-*	24	1	24	0.0201	0.0201	.046"	.054"	M16878/22 BEA-*	
WMB-22-2407-*	24	7	32	0.0080	0.0240	.050"	.058"	M16878/22 BEB-*	
WMB-22-2419-*	24	19	36	0.0050	0.0250	.050"	.058"	M16878/22 BEE-*	
WMB-22-2201-*	22	1	22	0.0253	0.0254	.051"	.060"	M16878/22 BFA-*	
WMB-22-2207-*	22	7	30	0.0100	0.0300	.056"	.064"	M16878/22 BFB-*	
WMB-22-2219-*	22	19	34	0.0063	0.0320	.056"	.064"	M16878/22 BFE-*	
WMB-22-2001-*	20	1	20	0.0320	0.0320	.058"	.066"	M16878/22 BGA-*	
WMB-22-2007-*	20	7	28	0.0126	0.0380	.064"	.072"	M16878/22 BGB-*	
WMB-22-2019-*	20	19	32	0.0080	0.0400	.064"	.072"	M16878/22 BGE-*	
WMB-22-1801-*	18	1	18	0.0403	0.0403	.066"	.076"	M16878/22 BHA-*	
WMB-22-1807-*	18	7	26	0.0159	0.0480	.074"	.084"	M16878/22 BHB-*	
WMB-22-1819-*	18	19	30	0.0100	0.0500	.074"	.084"	M16878/22 BHE-*	
WMB-22-1601-*	16	1	16	0.0508	0.0508	.077"	.089"	M16878/22 BJA-*	
WMB-22-1619-*	16	19	29	0.0113	0.0570	.083"	.095"	M16878/22 BJE-*	
WMB-22-1626-*	16	26	30	0.0100	0.0600	.086"	.098"	M16878/22 BJF-*	
WMB-22-1419-*	14	19	27	0.0142	0.0720	.098"	.114"	M16878/22 BKE-*	
WMB-22-1219-*	12	19	25	0.0179	0.0910	.117"	.133"	M16878/22 BLE-*	
WMB-22-1237-*	12	37	28	0.0126	0.0890	.115"	.131"	M16878/22 BLG-*	
WMB-22-1265-*	12	65	30	0.0100	0.0930	.119"	.135"	M16878/22 BLJ-*	
WMB-22-1037-*	10	37	26	0.0159	0.1110	.137"	.153"	M16878/22 BMG-*	
WMB-22-8133-*	8	133	29	0.0113	0.1690	.199"	.219"	M16878/22 BNL-*	
WMB-22-6133-*	6	133	27	0.0142	0.2130	.253"	.273"	M16878/22 BPL-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/23

NEMA HP-3

TYPE ET

CONDUCTOR:

Nickel Plated Copper
(Nickel Plated High-Strength Copper Alloy also available)

INSULATION:

Extruded
Polytetrafluoroethylene
(PTFE) (.006" nom. wall)

TEMP. RATING:

-65°C to 260° C

VOLTAGE RATING:

250 volts

M16878/23-HP3 EXTRUDED - NPC 260° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/23 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-23-3207-*	32	7	40	0.0031	0.0100	.020"	.024"	M16878/23 BAB-*	
WMB-23-3001-*	30	1	30	0.0100	0.0100	.020"	.024"	M16878/23 BBA-*	
WMB-23-3007-*	30	7	38	0.0040	0.0120	.022"	.026"	M16878/23 BBB-*	
WMB-23-2801-*	28	1	28	0.0126	0.0126	.023"	.027"	M16878/23 BCA-*	
WMB-23-2807-*	28	7	36	0.0050	0.0150	.025"	.029"	M16878/23 BCB-*	
WMB-23-2601-*	26	1	26	0.0159	0.0159	.026"	.030"	M16878/23 BDA-*	
WMB-23-2607-*	26	7	34	0.0063	0.0190	.029"	.033"	M16878/23 BDB-*	
WMB-23-2619-*	26	19	38	0.0040	0.0200	.029"	.033"	M16878/23 BDE-*	
WMB-23-2401-*	24	1	24	0.0201	0.0201	.030"	.034"	M16878/23 BEA-*	
WMB-23-2407-*	24	7	32	0.0080	0.0240	.034"	.038"	M16878/23 BEB-*	
WMB-23-2419-*	24	19	36	0.0050	0.0250	.034"	.038"	M16878/23 BEE-*	
WMB-23-2201-*	22	1	22	0.0253	0.0254	.035"	.040"	M16878/23 BFA-*	
WMB-23-2207-*	22	7	30	0.0100	0.0300	.040"	.044"	M16878/23 BFB-*	
WMB-23-2219-*	22	19	34	0.0063	0.0320	.040"	.044"	M16878/23 BFE-*	
WMB-23-2001-*	20	1	20	0.0320	0.0320	.042"	.046"	M16878/23 BGA-*	
WMB-23-2007-*	20	7	28	0.0126	0.0380	.048"	.052"	M16878/23 BGB-*	
WMB-23-2019-*	20	19	32	0.0080	0.0400	.048"	.052"	M16878/23 BGE-*	

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*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/24

NEMA HP-3

TYPE ET

CONDUCTOR:

Nickel Plated Copper
(Nickel Plated High-Strength Copper Alloy also available)

INSULATION:

Tape Wrapped
Polytetrafluoroethylene (PTFE)

TEMP. RATING:

-65°C to 260° C

VOLTAGE RATING:

250 volts

M16878/24-HP3 EXTRUDED - NPC 260° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/24 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-24-3207-*	32	7	40	0.0031	0.0100	.020"	.024"	M16878/24 BAB-*	
WMB-24-3001-*	30	1	30	0.0100	0.0100	.020"	.024"	M16878/24 BBA-*	
WMB-24-3007-*	30	7	38	0.0040	0.0120	.022"	.026"	M16878/24 BBB-*	
WMB-24-2801-*	28	1	28	0.0126	0.0126	.023"	.027"	M16878/24 BCA-*	
WMB-24-2807-*	28	7	36	0.0050	0.0150	.025"	.029"	M16878/24 BCB-*	
WMB-24-2601-*	26	1	26	0.0159	0.0159	.026"	.030"	M16878/24 BDA-*	
WMB-24-2607-*	26	7	34	0.0063	0.0190	.029"	.033"	M16878/24 BDB-*	
WMB-24-2619-*	26	19	38	0.0040	0.0200	.029"	.033"	M16878/24 BDE-*	
WMB-24-2401-*	24	1	24	0.0201	0.0201	.030"	.034"	M16878/24 BEA-*	
WMB-24-2407-*	24	7	32	0.0080	0.0240	.034"	.038"	M16878/24 BEB-*	
WMB-24-2419-*	24	19	36	0.0050	0.0250	.034"	.038"	M16878/24 BEE-*	
WMB-24-2201-*	22	1	22	0.0253	0.0254	.035"	.040"	M16878/24 BFA-*	
WMB-24-2207-*	22	7	30	0.0100	0.0300	.040"	.044"	M16878/24 BFB-*	
WMB-24-2219-*	22	19	34	0.0063	0.0320	.040"	.044"	M16878/24 BFE-*	
WMB-24-2001-*	20	1	20	0.0320	0.0320	.042"	.046"	M16878/24 BGA-*	
WMB-24-2007-*	20	7	28	0.0126	0.0380	.048"	.052"	M16878/24 BGB-*	
WMB-24-2019-*	20	19	32	0.0080	0.0400	.048"	.052"	M16878/24 BGE-*	

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*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/25

NEMA HP-3

TYPE E

CONDUCTOR:

Nickel Plated Copper
(Nickel Plated High-Strength Copper Alloy also available)

INSULATION:

Extruded
Polytetrafluoroethylene
(PTFE) (.010" nom. wall)

TEMP. RATING:

-65°C to 260° C

VOLTAGE RATING:

600 volts

M16878/25-HP3 EXTRUDED - NPC 260° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/25 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-25-3201-*	32	1	32	0.0080	0.0080	.025"	.033"	M16878/25 BAA-*	
WMB-25-3207-*	32	7	40	0.0031	0.0100	.026"	.034"	M16878/25 BAB-*	
WMB-25-3001-*	30	1	30	0.0100	0.0100	.026"	.034"	M16878/25 BBA-*	
WMB-25-3007-*	30	7	38	0.0040	0.0120	.028"	.036"	M16878/25 BBB-*	
WMB-25-2801-*	28	1	28	0.0126	0.0126	.029"	.037"	M16878/25 BCA-*	
WMB-25-2601-*	26	1	26	0.0159	0.0159	.032"	.040"	M16878/25 BDA-*	
WMB-25-2607-*	26	7	34	0.0063	0.0190	.035"	.043"	M16878/25 BDB-*	
WMB-25-2401-*	24	1	24	0.0201	0.0201	.036"	.044"	M16878/25 BEA-*	
WMB-25-2407-*	24	7	32	0.0080	0.0240	.040"	.048"	M16878/25 BEB-*	
WMB-25-2201-*	22	1	22	0.0253	0.0254	.041"	.049"	M16878/25 BFA-*	
WMB-25-2207-*	22	7	30	0.0100	0.0300	.046"	.054"	M16878/25 BFB-*	
WMB-25-2001-*	20	1	20	0.0320	0.0320	.048"	.056"	M16878/25 BGA-*	
WMB-25-2007-*	20	7	28	0.0126	0.0380	.054"	.062"	M16878/25 BGB-*	
WMB-25-1801-*	18	1	18	0.0403	0.0403	.056"	.066"	M16878/25 BHA-*	
WMB-25-1807-*	18	7	26	0.0159	0.0480	.064"	.074"	M16878/25 BHB-*	
WMB-25-1601-*	16	1	16	0.0508	0.0508	.067"	.081"	M16878/25 BJA-*	
WMB-25-1237-*	12	37	28	0.0126	0.0890	.105"	.119"	M16878/25 BLG-*	

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*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/26

NEMA HP-3

TYPE E

CONDUCTOR:

Nickel Plated Copper
(Nickel Plated High-Strength Copper Alloy also available)

INSULATION:

Tape wrapped
Polytetrafluoroethylene (PTFE) (.010" nom. wall)

TEMP. RATING:

-65°C to 260° C

VOLTAGE RATING:

600 volts

M16878/26-HP3 Wrapped PTFE - NPC 260° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/26 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-26-3201-*	32	1	32	0.0080	0.0080	.025"	.033"	M16878/26 BAA-*	
WMB-26-3207-*	32	7	40	0.0031	0.0100	.026"	.034"	M16878/26 BAB-*	
WMB-26-3001-*	30	1	30	0.0100	0.0100	.026"	.034"	M16878/26 BBA-*	
WMB-26-3007-*	30	7	38	0.0040	0.0120	.028"	.036"	M16878/26 BBB-*	
WMB-26-2801-*	28	1	28	0.0126	0.0126	.029"	.037"	M16878/26 BCA-*	
WMB-26-2807-*	28	7	36	0.0050	0.0150	.031"	.039"	M16878/26 BCB-*	
WMB-26-2601-*	26	1	26	0.0159	0.0159	.032"	.040"	M16878/26 BDA-*	
WMB-26-2607-*	26	7	34	0.0063	0.0190	.035"	.043"	M16878/26 BDB-*	
WMB-26-2619-*	26	19	38	0.0040	0.0200	.035"	.043"	M16878/26 BDE-*	
WMB-26-2401-*	24	1	24	0.0201	0.0201	.036"	.044"	M16878/26 BEA-*	
WMB-26-2407-*	24	7	32	0.0080	0.0240	.040"	.048"	M16878/26 BEB-*	
WMB-26-2419-*	24	19	36	0.0050	0.0250	.040"	.048"	M16878/26 BEE-*	
WMB-26-2201-*	22	1	22	0.0253	0.0254	.041"	.049"	M16878/26 BFA-*	
WMB-26-2207-*	22	7	30	0.0100	0.0300	.046"	.054"	M16878/26 BFB-*	
WMB-26-2219-*	22	19	34	0.0063	0.0320	.046"	.054"	M16878/26 BFE-*	
WMB-26-2001-*	20	1	20	0.0320	0.0320	.048"	.056"	M16878/26 BGA-*	
WMB-26-2007-*	20	7	28	0.0126	0.0380	.054"	.062"	M16878/26 BGB-*	
WMB-26-2019-*	20	19	32	0.0080	0.0400	.054"	.062"	M16878/26 BGE-*	
WMB-26-1801-*	18	1	18	0.0403	0.0403	.056"	.066"	M16878/26 BHA-*	
WMB-26-1807-*	18	7	26	0.0159	0.0480	.064"	.074"	M16878/26 BHB-*	
WMB-26-1819-*	18	19	30	0.0100	0.0500	.064"	.074"	M16878/26 BHE-*	
WMB-26-1601-*	16	1	16	0.0508	0.0508	.067"	.081"	M16878/26 BJA-*	
WMB-26-1619-*	16	19	29	0.0113	0.0570	.073"	.087"	M16878/26 BJE-*	
WMB-26-1419-*	14	19	27	0.0142	0.0720	.088"	.102"	M16878/26 BKE-*	
WMB-26-1219-*	12	19	25	0.0179	0.0910	.107"	.121"	M16878/26 BLE-*	
WMB-26-1237-*	12	37	28	0.0126	0.0890	.105"	.119"	M16878/26 BLG-*	
WMB-26-1037-*	10	37	26	0.0159	0.1110	.127"	.141"	M16878/26 BMG-*	

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*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/27

NEMA HP-3

TYPE EE

CONDUCTOR: Nickel Plated Copper (Nickel Plated High-Strength Copper Alloy also available)	INSULATION: Extruded Polytetrafluoroethylene (PTFE) (.010" nom. wall)	TEMP. RATING: -65°C to 260° C	VOLTAGE RATING: 1000 volts
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M16878/27-HP3 EXTRUDED - NPC 260° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/27 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-27-3201-*	32	1	32	0.0080	0.0080	.034"	.042"	M16878/27 BAA-*	
WMB-27-3207-*	32	7	40	0.0031	0.0100	.036"	.044"	M16878/27 BAB-*	
WMB-27-3001-*	30	1	30	0.0100	0.0100	.036"	.044"	M16878/27 BBA-*	
WMB-27-3007-*	30	7	38	0.0040	0.0120	.038"	.046"	M16878/27 BBB-*	
WMB-27-2801-*	28	1	28	0.0126	0.0126	.039"	.047"	M16878/27 BCA-*	
WMB-27-2601-*	26	1	26	0.0159	0.0159	.042"	.050"	M16878/27 BDA-*	
WMB-27-2607-*	26	7	34	0.0063	0.0190	.045"	.053"	M16878/27 BDB-*	
WMB-27-2401-*	24	1	24	0.0201	0.0201	.046"	.054"	M16878/27 BEA-*	
WMB-27-2407-*	24	7	32	0.0080	0.0240	.050"	.058"	M16878/27 BEB-*	
WMB-27-2201-*	22	1	22	0.0253	0.0254	.051"	.060"	M16878/27 BFA-*	
WMB-27-2207-*	22	7	30	0.0100	0.0300	.056"	.064"	M16878/27 BFB-*	
WMB-27-2001-*	20	1	20	0.0320	0.0320	.058"	.066"	M16878/27 BGA-*	
WMB-27-2007-*	20	7	28	0.0126	0.0380	.064"	.072"	M16878/27 BGB-*	
WMB-27-1801-*	18	1	18	0.0403	0.0403	.066"	.076"	M16878/27 BHA-*	
WMB-27-1807-*	18	7	26	0.0159	0.0480	.074"	.084"	M16878/27 BHB-*	
WMB-27-1601-*	16	1	16	0.0508	0.0508	.077"	.089"	M16878/27 BJA-*	
WMB-27-1237-*	12	37	28	0.0126	0.0890	.115"	.131"	M16878/27 BLG-*	
WMB-27-10105-*	10	105	30	0.0100	0.1200	.146"	.162"	M16878/27 BMK-*	
WMB-27-6133-*	6	133	27	0.0142	0.2130	.253"	.273"	M16878/27 BPL-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/28

NEMA HP-3

TYPE EE

CONDUCTOR:

Nickel Plated Copper
(Nickel Plated High-Strength Copper Alloy also available)

INSULATION:

Tape Wrapped
Polytetrafluoroethylene (PTFE)

TEMP. RATING:

-65°C to 260° C

VOLTAGE RATING:

1000 volts

M16878/28-HP3 EXTRUDED - NPC 260° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/28 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-28-3201-*	32	1	32	0.0080	0.0080	.034"	.042"	M16878/28 BAA-*	
WMB-28-3207-*	32	7	40	0.0031	0.0100	.036"	.044"	M16878/28 BAB-*	
WMB-28-3001-*	30	1	30	0.0100	0.0100	.036"	.044"	M16878/28 BBA-*	
WMB-28-3007-*	30	7	38	0.0040	0.0120	.038"	.046"	M16878/28 BBB-*	
WMB-28-2801-*	28	1	28	0.0126	0.0126	.039"	.047"	M16878/28 BCA-*	
WMB-28-2807-*	28	7	36	0.0050	0.0150	.041"	.049"	M16878/28 BCB-*	
WMB-28-2601-*	26	1	26	0.0159	0.0159	.042"	.050"	M16878/28 BDA-*	
WMB-28-2607-*	26	7	34	0.0063	0.0190	.045"	.053"	M16878/28 BDB-*	
WMB-28-2619-*	26	19	38	0.0040	0.0200	.045"	.053"	M16878/28 BDE-*	
WMB-28-2401-*	24	1	24	0.0201	0.0201	.046"	.054"	M16878/28 BEA-*	
WMB-28-2407-*	24	7	32	0.0080	0.0240	.050"	.058"	M16878/28 BEB-*	
WMB-28-2419-*	24	19	36	0.0050	0.0250	.050"	.058"	M16878/28 BEE-*	
WMB-28-2201-*	22	1	22	0.0253	0.0254	.051"	.060"	M16878/28 BFA-*	
WMB-28-2207-*	22	7	30	0.0100	0.0300	.056"	.064"	M16878/28 BFB-*	
WMB-28-2219-*	22	19	34	0.0063	0.0320	.056"	.064"	M16878/28 BFE-*	
WMB-28-2001-*	20	1	20	0.0320	0.0320	.058"	.066"	M16878/28 BGA-*	
WMB-28-2007-*	20	7	28	0.0126	0.0380	.064"	.072"	M16878/28 BGB-*	
WMB-28-2019-*	20	19	32	0.0080	0.0400	.064"	.072"	M16878/28 BGE-*	
WMB-28-1801-*	18	1	18	0.0403	0.0403	.066"	.077"	M16878/28 BHA-*	
WMB-28-1807-*	18	7	26	0.0159	0.0480	.074"	.084"	M16878/28 BHB-*	
WMB-28-1819-*	18	19	30	0.0100	0.0500	.074"	.084"	M16878/28 BHE-*	
WMB-28-1601-*	16	1	16	0.0508	0.0508	.077"	.089"	M16878/28 BJA-*	
WMB-28-1619-*	16	19	29	0.0113	0.0570	.083"	.095"	M16878/28 BJE-*	
WMB-28-1419-*	14	19	27	0.0142	0.0720	.098"	.114"	M16878/28 BKE-*	
WMB-28-1219-*	12	19	25	0.0179	0.0910	.117"	.133"	M16878/28 BLE-*	
WMB-28-1237-*	12	37	28	0.0126	0.0890	.115"	.131"	M16878/28 BLG-*	
WMB-28-1037-*	10	37	26	0.0159	0.1110	.137"	.153"	M16878/28 BMG-*	
WMB-28-10105-*	10	105	30	0.0100	0.1200	.146"	.162"	M16878/28 BMK-*	
WMB-28-8133-*	8	133	29	0.0113	0.1690	.199"	.219"	M16878/28 BNL-*	
WMB-28-6133-*	6	133	27	0.0142	0.2130	.253"	.273"	M16878/28 BPL-*	
WMB-28-4133-*	4	133	25	0.0179	0.2570	.287"	.307"	M16878/28 BRL-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/29

TYPE F

CONDUCTOR:

Tin Plated Copper

INSULATION:

Silicone Rubber

TEMP. RATING:

150° C

VOLTAGE RATING:

600 volts

M16878/29 EXTRUDED - TPC 150° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/29
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-29-2407-*	24	7	32	0.0080	0.0240	.052"	.058"	M16878/29 BEB-*	
WMB-29-2207-*	22	7	30	0.0100	0.0300	.058"	.064"	M16878/29 BFB-*	
WMB-29-2007-*	20	7	28	0.0126	0.0380	.066"	.072"	M16878/29 BGB-*	
WMB-29-2010-*	20	10	30	0.0100	0.0380	.066"	.072"	M16878/29 BGC-*	
WMB-29-1807-*	18	7	26	0.0159	0.0480	.076"	.082"	M16878/29 BHB-*	
WMB-29-1816-*	18	16	30	0.0100	0.0480	.076"	.082"	M16878/29 BHD-*	
WMB-29-1619-*	16	19	29	0.0113	0.0570	.085"	.091"	M16878/29 BJE-*	
WMB-29-1626-*	16	26	30	0.0100	0.0570	.085"	.091"	M16878/29 BJF-*	
WMB-29-1419-*	14	19	27	0.0142	0.0720	.116"	.122"	M16878/29 BKE-*	
WMB-29-1441-*	14	41	30	0.0100	0.0720	.116"	.122"	M16878/29 BKH-*	
WMB-29-1219-*	12	19	25	0.0179	0.0910	.135"	.141"	M16878/29 BLE-*	
WMB-29-1265-*	12	65	30	0.0100	0.0910	.135"	.141"	M16878/29 BLJ-*	
WMB-29-10105-*	10	105	30	0.0100	0.1200	.156"	.166"	M16878/29 BMK-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/30

TYPE FF

CONDUCTOR:

Tin Plated Copper

INSULATION:

Silicone Rubber

TEMP. RATING:

150° C

VOLTAGE RATING:

1000 volts

M16878/30 EXTRUDED - TPC 150° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/30
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-30-2407-*	24	7	32	0.0080	0.0240	.083"	.091"	M16878/30 BEB-*	
WMB-30-2207-*	22	7	30	0.0100	0.0300	.089"	.097"	M16878/30 BFB-*	
WMB-30-2007-*	20	7	28	0.0126	0.0380	.097"	.105"	M16878/30 BGB-*	
WMB-30-2010-*	20	10	30	0.0100	0.0380	.097"	.105"	M16878/30 BGD-*	
WMB-30-1807-*	18	7	26	0.0159	0.0480	.107"	.115"	M16878/30 BHB-*	
WMB-30-1816-*	18	16	30	0.0100	0.0480	.107"	.115"	M16878/30 BHD-*	
WMB-30-1619-*	16	19	29	0.0113	0.0570	.116"	.124"	M16878/30 BJE-*	
WMB-30-1626-*	16	26	30	0.0100	0.0570	.116"	.124"	M16878/30 BJF-*	
WMB-30-1419-*	14	19	27	0.0142	0.072	.161"	.171"	M16878/30 BKE-*	
WMB-30-1441-*	14	41	30	0.0100	0.072	.161"	.171"	M16878/30 BKH-*	
WMB-30-1219-*	12	19	25	0.0179	0.091	.180"	.190"	M16878/30 BLE-*	
WMB-30-1265-*	12	65	30	0.0100	0.091	.180"	.190"	M16878/30 BLJ-*	
WMB-30-1037-*	10	37	26	0.0159	0.111	.200"	.210"	M16878/30 BMG-*	
WMB-30-10105-*	10	105	30	0.0100	0.111	.200"	.210"	M16878/30 BMK-*	
WMB-30-8133-*	8	133	29	0.0113	0.169	.282"	.307"	M16878/30 BNL-*	
WMB-30-6133-*	6	133	27	0.0142	0.213	.326"	.351"	M16878/30 BPL-*	
WMB-30-4133-*	4	133	25	0.0179	0.269	.382"	.407"	M16878/30 BRL-*	
WMB-30-2133-*	2	133	23	0.0223	0.335	.448"	.473"	M16878/30 BSL-*	
WMB-30-1259-*	1	259	25	0.0179	0.378	.519"	.550"	M16878/30 BTN-*	
WMB-30-01259-*	0	259	24	0.0202	0.424	.565"	.596"	M16878/30 BUN-*	
WMB-30-02259-*	00	259	23	0.0227	0.477	.618"	.649"	M16878/30 BWN-*	
WMB-30-03259-*	000	259	22	0.0255	0.533	.694"	.725"	M16878/30 BYN-*	
WMB-30-04259-*	0000	259	21	0.0286	0.601	.742"	.773"	M16878/30 BZN-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/31

TYPE FF

CONDUCTOR:

Tin Plated Copper

INSULATION:

Silicone Rubber

TEMP. RATING:

150° C

VOLTAGE RATING:

1000 volts

M16878/31 EXTRUDED - TPC 150° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/31
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-31-2407-*	24	7	32	0.0080	0.0240	.083"	.106"	M16878/31 BEB-*	
WMB-31-2207-*	22	7	30	0.0100	0.0300	.089"	.112"	M16878/31 BFB-*	
WMB-31-2007-*	20	7	28	0.0126	0.0380	.097"	.120"	M16878/31 BGB-*	
WMB-31-2010-*	20	10	30	0.0100	0.0380	.097"	.120"	M16878/31 BGD-*	
WMB-31-1807-*	18	7	26	0.0159	0.0480	.107"	.130"	M16878/31 BHB-*	
WMB-31-1816-*	18	16	30	0.0100	0.0480	.107"	.115"	M16878/31 BHD-*	
WMB-31-1619-*	16	19	29	0.0113	0.0570	.116"	.139"	M16878/31 BJE-*	
WMB-31-1626-*	16	26	30	0.0100	0.0570	.116"	.139"	M16878/31 BJF-*	
WMB-31-1419-*	14	19	27	0.0142	0.072	.161"	.191"	M16878/31 BKE-*	
WMB-31-1441-*	14	41	30	0.0100	0.072	.161"	.191"	M16878/31 BKH-*	
WMB-31-1219-*	12	19	25	0.0179	0.091	.180"	.210"	M16878/31 BLE-*	
WMB-31-1265-*	12	65	30	0.0100	0.091	.180"	.190"	M16878/31 BLJ-*	
WMB-31-1037-*	10	37	26	0.0159	0.111	.200"	.230"	M16878/31 BMG-*	
WMB-31-10105-*	10	105	30	0.0100	0.111	.200"	.210"	M16878/31 BMK-*	
WMB-31-8133-*	8	133	29	0.0113	0.169	.282"	.342"	M16878/31 BNL-*	
WMB-31-6133-*	6	133	27	0.0142	0.213	.326"	.386"	M16878/31 BPL-*	
WMB-31-4133-*	4	133	25	0.0179	0.269	.382"	.442"	M16878/31 BRL-*	
WMB-31-2133-*	2	133	23	0.0223	0.335	.448"	.508"	M16878/31 BSL-*	
WMB-31-1259-*	1	259	25	0.0179	0.378	.519"	.585"	M16878/31 BTN-*	
WMB-31-01259-*	0	259	24	0.0202	0.424	.565"	.631"	M16878/31 BUN-*	
WMB-31-02259-*	00	259	23	0.0227	0.477	.618"	.684"	M16878/31 BWN-*	
WMB-31-03259-*	000	259	22	0.0255	0.533	.694"	.725"	M16878/31 BYN-*	
WMB-31-04259-*	0000	259	21	0.0286	0.601	.742"	.808"	M16878/31 BZN-*	

*COLOR CODES: 0 = BLACK; 1 = BROWN; 2 = RED; 3 = ORANGE; 4 = YELLOW; 5 = GREEN; 6 = BLUE; 7 = VIOLET; 8 = GRAY; 9 = WHITE

*Spiral striped color coding as required.



ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/32

TYPE FF

CONDUCTOR:

Tin Plated Copper

INSULATION:

Silicone Rubber

TEMP. RATING:

-65°C to 200° C

VOLTAGE RATING:

1000 volts

M16878/32 EXTRUDED - TPC -65° C to 200° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/32
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-32-2407-*	24	7	32	0.0080	0.0240	.083"	.106"	M16878/32 BEB-*	
WMB-32-2207-*	22	7	30	0.0100	0.0300	.089"	.112"	M16878/32 BFB-*	
WMB-32-2007-*	20	7	28	0.0126	0.0380	.097"	.120"	M16878/32 BGB-*	
WMB-32-2010-*	20	10	30	0.0100	0.0380	.097"	.120"	M16878/32 BGD-*	
WMB-32-1807-*	18	7	26	0.0159	0.0480	.107"	.130"	M16878/32 BHB-*	
WMB-32-1816-*	18	16	30	0.0100	0.0480	.107"	.115"	M16878/32 BHD-*	
WMB-32-1619-*	16	19	29	0.0113	0.0570	.116"	.139"	M16878/32 BJE-*	
WMB-32-1626-*	16	26	30	0.0100	0.0570	.116"	.139"	M16878/32 BJF-*	
WMB-32-1419-*	14	19	27	0.0142	0.072	.161"	.191"	M16878/32 BKE-*	
WMB-32-1441-*	14	41	30	0.0100	0.072	.161"	.191"	M16878/32 BKH-*	
WMB-32-1219-*	12	19	25	0.0179	0.091	.180"	.210"	M16878/32 BLE-*	
WMB-32-1265-*	12	65	30	0.0100	0.091	.180"	.190"	M16878/32 BLJ-*	
WMB-32-1037-*	10	37	26	0.0159	0.111	.200"	.230"	M16878/32 BMG-*	
WMB-32-10105-*	10	105	30	0.0100	0.111	.200"	.210"	M16878/32 BMK-*	
WMB-32-8133-*	8	133	29	0.0113	0.169	.282"	.342"	M16878/32 BNL-*	
WMB-32-6133-*	6	133	27	0.0142	0.213	.326"	.386"	M16878/32 BPL-*	
WMB-32-4133-*	4	133	25	0.0179	0.269	.382"	.442"	M16878/32 BRL-*	
WMB-32-2133-*	2	133	23	0.0223	0.335	.448"	.508"	M16878/32 BSL-*	
WMB-32-1259-*	1	259	25	0.0179	0.378	.519"	.585"	M16878/32 BTN-*	
WMB-32-01259-*	0	259	24	0.0202	0.424	.565"	.631"	M16878/32 BUN-*	
WMB-32-02259-*	00	259	23	0.0227	0.477	.618"	.684"	M16878/32 BWN-*	
WMB-32-03259-*	000	259	22	0.0255	0.533	.694"	.725"	M16878/32 BYN-*	
WMB-32-04259-*	0000	259	21	0.0286	0.601	.742"	.808"	M16878/32 BZN-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/33

TYPE JN

CONDUCTOR:

Tin Plated Copper

INSULATION:

Extruded Polyethylene

TEMP. RATING:

75° C

VOLTAGE RATING:

600 volts

M16878/33 EXTRUDED - TPC 75° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/33
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-33-2401-*	24	1	24	0.0201	0.0201	.045"	.057"	M16878/33 BEA-*	
WMB-33-2407-*	24	7	32	0.0080	0.0240	.049"	.061"	M16878/33 BEB-*	
WMB-33-2419-*	24	19	36	0.0050	0.0250	.049"	.061"	M16878/33 BEE-*	
WMB-33-2201-*	22	1	22	0.0253	0.0254	.051"	.064"	M16878/33 BFA-*	
WMB-33-2207-*	22	7	30	0.0100	0.0300	.056"	.068"	M16878/33 BFB-*	
WMB-33-2219-*	22	19	34	0.0063	0.0320	.056"	.068"	M16878/33 BFE-*	
WMB-33-2001-*	20	1	20	0.0320	0.0320	.060"	.072"	M16878/33 BGA-*	
WMB-33-2007-*	20	7	28	0.0126	0.0380	.066"	.078"	M16878/33 BGB-*	
WMB-33-2019-*	20	19	32	0.0080	0.0400	.066"	.078"	M16878/33 BGE-*	
WMB-33-1801-*	18	1	18	0.0403	0.0403	.068"	.081"	M16878/33 BHA-*	
WMB-33-1807-*	18	7	26	0.0159	0.0480	.076"	.088"	M16878/33 BHB-*	
WMB-33-1816-*	18	16	30	0.0100	0.0470	.075"	.087"	M16878/33 BHD-*	
WMB-33-1819-*	18	19	30	0.0100	0.0500	.076"	.088"	M16878/33 BHE-*	
WMB-33-4133-*	4	133	25	0.0179	0.2690	.349"	.363"	M16878/33 BRL-*	
WMB-33-2133-*	2	133	23	0.0223	0.3350	.413"	.443"	M16878/33 BSL-*	
WMB-33-1259-*	1	259	25	0.0179	0.3780	.461"	.493"	M16878/33 BTN-*	
WMB-33-01259-*	0	259	24	0.0202	0.4240	.509"	.539"	M16878/33 BUN-*	
WMB-33-02259-*	00	259	23	0.0227	0.4770	.579"	.613"	M16878/33 BWN-*	
WMB-33-04259-*	0000	259	21	0.0286	0.6010	.704"	.738"	M16878/33 BZN-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/34

NEMA HP-3

CONDUCTOR:

Silver Plated Copper
(Silver Plated High-Strength Copper Alloy also available)

INSULATION:

Double Wrapped
Polytetrafluoroethylene (PTFE)

TEMP. RATING:

-65°C to 200° C

VOLTAGE RATING:

1000 volts

M16878/34-HP3 EXTRUDED - SPC 200° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/34 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-34-3207-*	32	7	40	0.0031	0.0100	.036"	.044"	M16878/34 BAB-*	
WMB-34-3007-*	30	7	38	0.0040	0.0120	.038"	.046"	M16878/34 BBB-*	
WMB-34-2807-*	28	7	36	0.0050	0.0150	.041"	.049"	M16878/34 BCB-*	
WMB-34-2607-*	26	7	34	0.0063	0.0190	.045"	.053"	M16878/34 BDB-*	
WMB-34-2407-*	24	7	32	0.0080	0.0240	.050"	.058"	M16878/34 BEB-*	
WMB-34-2207-*	22	7	30	0.0100	0.0300	.056"	.064"	M16878/34 BFB-*	
WMB-34-2007-*	20	7	28	0.0126	0.0380	.064"	.072"	M16878/34 BGB-*	
WMB-34-1807-*	18	7	26	0.0159	0.0480	.074"	.084"	M16878/34 BHB-*	
WMB-34-1619-*	16	19	29	0.0113	0.0570	.083"	.095"	M16878/34 BJE-*	
WMB-34-1419-*	14	19	27	0.0142	0.0720	.098"	.114"	M16878/34 BKE-*	
WMB-34-1219-*	12	19	25	0.0179	0.0910	.117"	.133"	M16878/34 BLE-*	
WMB-34-1037-*	10	37	26	0.0159	0.1110	.137"	.153"	M16878/34 BMG-*	
WMB-34-8133-*	8	133	29	0.0113	0.1690	.199"	.219"	M16878/34 BNL-*	
WMB-34-6133-*	6	133	27	0.0142	0.2130	.253"	.273"	M16878/34 BPL-*	
WMB-34-4133-*	4	133	25	0.0179	0.2570	.287"	.307"	M16878/34 BRL-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-W-16878/35

NEMA HP-3

CONDUCTOR:

Nickel Plated Copper
(Nickel Plated High-
Strength Copper Alloy
also available)

INSULATION:

Double Wrapped
Polytetrafluoroethylene
(PTFE)

TEMP. RATING:

-65°C to 260° C

VOLTAGE RATING:

1000 volts

M16878/35-HP3 EXTRUDED - NPC 260° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/35 NEMA-HP3 EX
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-35-3207-*	32	7	40	0.0031	0.0100	.036"	.044"	M16878/35 BAB-*	
WMB-35-3007-*	30	7	38	0.0040	0.0120	.038"	.046"	M16878/35 BBB-*	
WMB-35-2807-*	28	7	36	0.0050	0.0150	.041"	.049"	M16878/35 BCB-*	
WMB-35-2607-*	26	7	34	0.0063	0.0190	.045"	.053"	M16878/35 BDB-*	
WMB-35-2407-*	24	7	32	0.0080	0.0240	.050"	.058"	M16878/35 BEB-*	
WMB-35-2207-*	22	7	30	0.0100	0.0300	.056"	.064"	M16878/35 BFB-*	
WMB-35-2007-*	20	7	28	0.0126	0.0380	.064"	.072"	M16878/35 BGB-*	
WMB-35-1807-*	18	7	26	0.0159	0.0480	.074"	.084"	M16878/35 BHB-*	
WMB-35-1619-*	16	19	29	0.0113	0.0570	.083"	.095"	M16878/35 BJE-*	
WMB-35-1419-*	14	19	27	0.0142	0.0720	.098"	.114"	M16878/35 BKE-*	
WMB-35-1219-*	12	19	25	0.0179	0.0910	.117"	.133"	M16878/35 BLE-*	
WMB-35-1037-*	10	37	26	0.0159	0.1110	.137"	.153"	M16878/35 BMG-*	
WMB-35-8133-*	8	133	29	0.0113	0.1690	.199"	.219"	M16878/35 BNL-*	
WMB-35-6133-*	6	133	27	0.0142	0.2130	.253"	.273"	M16878/35 BPL-*	
WMB-35-4133-*	4	133	25	0.0179	0.2570	.287"	.307"	M16878/35 BRL-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/36

CONDUCTOR:

Tin Plated Copper

INSULATION:

Extruded Crosslinked
Low Smoke Polyolefin
(XLPO)

TEMP. RATING:

105° C

VOLTAGE RATING:

600 volts

M16878/36 EXTRUDED - TPC 105° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/36
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-36-3201-*	32	1	32	0.0080	0.0080	.024"	.030"	M16878/36 BAA-*	
WMB-36-3207-*	32	7	40	0.0031	0.0100	.026"	.032"	M16878/36 BAB-*	
WMB-36-3001-*	30	1	30	0.0100	0.0100	.026"	.032"	M16878/36 BBA-*	
WMB-36-3007-*	30	7	38	0.0040	0.0120	.026"	.034"	M16878/36 BBB-*	
WMB-36-2801-*	28	1	28	0.0126	0.0126	.028"	.035"	M16878/36 BCA-*	
WMB-36-2807-*	28	7	36	0.0050	0.0150	.029"	.037"	M16878/36 BCB-*	
WMB-36-2601-*	26	1	26	0.0159	0.0159	.031"	.038"	M16878/36 BDA-*	
WMB-36-2607-*	26	7	34	0.0063	0.0190	.032"	.041"	M16878/36 BDB-*	
WMB-36-2619-*	26	19	38	0.0040	0.0210	.035"	.041"	M16878/36 BDE-*	
WMB-36-2401-*	24	1	24	0.0201	0.0201	.035"	.043"	M16878/36 BEA-*	
WMB-36-2407-*	24	7	32	0.0080	0.0240	.036"	.047"	M16878/36 BEB-*	
WMB-36-2419-*	24	19	36	0.0050	0.0260	.040"	.047"	M16878/36 BEE-*	
WMB-36-2201-*	22	1	22	0.0253	0.0253	.041"	.048"	M16878/36 BFA-*	
WMB-36-2207-*	22	7	30	0.0100	0.0300	.046"	.053"	M16878/36 BFB-*	
WMB-36-2219-*	22	19	34	0.0063	0.0320	.046"	.053"	M16878/36 BFE-*	
WMB-36-2001-*	20	1	20	0.0320	0.0320	.048"	.055"	M16878/36 BGA-*	
WMB-36-2007-*	20	7	28	0.0126	0.0380	.054"	.061"	M16878/36 BGB-*	
WMB-36-2019-*	20	19	32	0.0080	0.0410	.054"	.061"	M16878/36 BGE-*	
WMB-36-1801-*	18	1	18	0.0403	0.0403	.056"	.063"	M16878/36 BHA-*	
WMB-36-1807-*	18	7	26	0.0159	0.0490	.065"	.072"	M16878/36 BHB-*	
WMB-36-1819-*	18	19	30	0.0100	0.0510	.065"	.072"	M16878/36 BHE-*	
WMB-36-1601-*	16	1	16	0.0508	0.0508	.067"	.075"	M16878/36 BJA-*	
WMB-36-1619-*	16	19	29	0.0113	0.0590	.075"	.083"	M16878/36 BJE-*	
WMB-36-1401-*	14	1	14	0.0641	0.0641	.080"	.088"	M16878/36 BKA-*	
WMB-36-1419-*	14	19	27	0.0142	0.0720	.088"	.096"	M16878/36 BKE-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/37

CONDUCTOR:

Tin Plated Copper

INSULATION:

Extruded Ethylene-Propylene Diene Elastomer (EPDM)

TEMP. RATING:

125° C

VOLTAGE RATING:

600 volts

M16878/37 EXTRUDED - TPC 125° C ASTRO PART NUMBER	CONDUCTOR					DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/37
	AWG	# OF STRANDS	STRAND		COND. DIAMETER (nom.)	MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-37-1801-*	18	1	18	0.0403	0.0403	.080"	.095"	M16878/37 BHA-*	
WMB-37-1807-*	18	7	26	0.0159	0.0480	.090"	.100"	M16878/37 BHB-*	
WMB-37-1819-*	18	19	30	0.0100	0.0500	.090"	.100"	M16878/37 BHE-*	
WMB-37-1601-*	16	1	16	0.0508	0.0508	.090"	.100"	M16878/37 BJA-*	
WMB-37-1619-*	16	19	29	0.0113	0.0570	.097"	.112"	M16878/37 BJE-*	
WMB-37-1419-*	14	19	27	0.0142	0.0720	.112"	.127"	M16878/37 BKE-*	
WMB-37-1219-*	12	19	25	0.0179	0.0910	.131"	.146"	M16878/37 BLE-*	
WMB-37-1237-*	12	37	28	0.0126	0.0890	.129"	.143"	M16878/37 BLG-*	
WMB-37-1037-*	10	37	26	0.0159	0.1110	.151"	.165"	M16878/37 BMG-*	
WMB-37-8133-*	8	133	29	0.0113	0.1690	.224"	.235"	M16878/37 BNL-*	
WMB-37-6133-*	6	133	27	0.0142	0.2130	.268"	.280"	M16878/37 BPL-*	
WMB-37-4133-*	4	133	25	0.0179	0.2680	.324"	.334"	M16878/37 BRL-*	
WMB-37-2665-*	2	665	30	0.0100	0.3150	.370"	.380"	M16878/37 BSP-*	
WMB-37-1817-*	1	817	30	0.0100	0.3820	.460"	.475"	M16878/37 BTR-*	
WMB-37-011045-*	0	1045	30	0.0100	0.4100	.485"	.495"	M16878/37 BUS-*	
WMB-37-021330-*	00	1330	30	0.0100	0.4550	.530"	.550"	M16878/37 BWT-*	
WMB-37-031672-*	000	1672	30	0.0100	0.5350	.610"	.650"	M16878/37 BYV-*	
WMB-37-042109-*	0000	2109	30	0.0100	0.5950	.670"	.800"	M16878/37 BZW-*	

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ASTRO INDUSTRIES, INC.

4403 Dayton-Xenia Road

Dayton, Ohio 45432

TEL: (800) 543-5810 or (937) 429-5900

MIL-DTL-16878/38

CONDUCTOR:

Tin Plated Copper

INSULATION:

Extruded Ethylene-Propylene Diene Elastomer (EPDM)

TEMP. RATING:

125° C

VOLTAGE RATING:

5000 volts

M16878/38 EXTRUDED - TPC 125° C ASTRO PART NUMBER	CONDUCTOR				COND. DIAMETER (nom.)	DIAMETER OVER INSULATION (inch)		WEIGHT (nom.) LBS/MFT	M16878/38
	AWG	# OF STRANDS	STRAND			MIN	MAX		
			SIZE AWG	DIAMETER					
WMB-38-1819-*	18	19	30	0.0100	0.0490	.090"	.110"		M16878/38 BHE-*
WMB-38-1619-*	16	19	29	0.0113	0.0560	.097"	.112"		M16878/38 BJE-*
WMB-38-1419-*	14	19	27	0.0142	0.0690	.122"	.127"		M16878/38 BKE-*
WMB-38-1219-*	12	19	25	0.0179	0.0880	.130"	.145"		M16878/38 BLE-*
WMB-38-1037-*	10	37	26	0.0159	0.1110	.156"	.170"		M16878/38 BMG-*

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