



DBA WIRECRAFT® PRODUCTS

# MIL-W-16878 PTFE and NEMA HP 3 Wire

200°C (Silver Plated Conductors) - 260°C (Nickel Plated Conductors)

Insulation: PTFE Extruded or Spiral Wrapped & Fused as Specified by MIL-W-16878

CONDUCTOR						M16878/4 SPC EXTRUDED M16878/21 SPC WRAPPED M16878/25 NPC EXTRUDED TYPE E 600V RMS				M16878/5 SPC EXTRUDED M16878/22 SPC WRAPPED M16878/27 NPC EXTRUDED TYPE EE 1000V RMS				M16878/6 SPC EXTRUDED M16878/20 SPC WRAPPED M16878/23 NPC EXTRUDED TYPE ET 250V RMS			
AWG.	NUMBER OF STRANDS	STRAND		COND. DIAM. (NOM.)	CM MIN.	DIAMETER OVER INSULATION		WIRECRAFT CATALOG NUMBER		DIAMETER OVER INSULATION		WIRECRAFT CATALOG NUMBER		DIAMETER OVER INSULATION		WIRECRAFT CATALOG NUMBER	
		SIZE AWG.	DIAM.			MIN.	MAX.	EXTRUDED	SPIRAL WRAPPED	MIN.	MAX.	EXTRUDED	SPIRAL WRAPPED	MIN.	MAX.	EXTRUDED	SPIRAL WRAPPED
32	7	40	.0031	.009	69	.025	.033	—	327-TE	.035	.043	—	327-TH	.019	.023	—	327-TT
32	1	32	.0080	.008	63	.024	.032	—	321-TE	.034	.042	—	321-TH	.018	.022	—	321-TT
• 30	7	38	.0040	.012	110	.028	.036	307-XE	307-TE	.038	.046	307-XH	307-TH	.022	.026	307-XT	307-TT
• 30	19	42	.0025	.012	92	.028	.036	3019-XE	3019-TE	.038	.046	3019-XH	3019-TH	.022	.026	3019-XT	3019-TT
• 30	1	30	.010	.010	100	.026	.034	301-XE	301-TE	.036	.044	301-XH	301-TH	.020	.024	301-XT	301-TT
• 28	7	36	.0050	.015	175	.031	.039	287-XE	287-TE	.041	.049	287-XH	287-TH	.025	.029	287-XT	287-TT
• 28	19	40	.0031	.015	182	.031	.039	2819-XE	2819-TE	.041	.049	2819-XH	2819-TH	.025	.029	2819-XT	2819-TT
• 28	1	28	.0126	.0126	160	.029	.037	281-XE	281-TE	.039	.047	281-XH	281-TH	.023	.027	281-XT	281-TT
• 26	7	34	.0063	.019	278	.035	.043	267-XE	267-TE	.045	.053	267-XH	267-TH	.029	.033	267-XT	267-TT
• 26	19	38	.0040	.019	304	.035	.043	2619-XE	2619-TE	.045	.053	2619-XH	2619-TH	.029	.033	2619-XT	2619-TT
• 26	1	26	.016	.016	253	.032	.040	261-XE	261-TE	.042	.050	261-XH	261-TH	.026	.030	261-XT	261-TT
• 24	7	32	.0080	.024	448	.040	.048	247-XE	247-TE	.050	.058	247-XH	247-TH	.034	.038	247-XT	247-TT
• 24	19	36	.0050	.024	475	.040	.048	2419-XE	2419-TE	.050	.058	2419-XH	2419-TH	.034	.038	2419-XT	2419-TT
• 24	1	24	.020	.020	404	.036	.044	241-XE	241-TE	.046	.054	241-XH	241-TH	.030	.034	241-XT	241-TT
• 23	1	23	.022	.022	511	.038	.046	231-XE	231-TE	.048	.056	231-XH	231-TH	.032	.036	231-XT	231-TT
• 22	7	30	.0100	.030	700	.046	.054	227-XE	227-TE	.056	.064	227-XH	227-TH	.040	.044	227-XT	227-TT
• 22	19	34	.0063	.030	755	.046	.054	2219-XE	2219-TE	.056	.064	2219-XH	2219-TH	.040	.044	2219-XT	2219-TT
• 22	27	36	.0050	.030	675	.046	.054	2227-XE	2227-TE	.056	.064	2227-XH	2227-TH	.040	.044	2227-XT	2227-TT
• 22	1	22	.025	.025	640	.041	.049	221-XE	221-TE	.051	.059	221-XH	221-TH	.035	.039	221-XT	221-TT
• 20	7	28	.0126	.038	1113	.054	.062	207-XE	207-TE	.064	.072	207-XH	207-TH	.048	.052	207-XT	207-TT
• 20	19	32	.0080	.038	1216	.054	.062	2019-XE	2019-TE	.064	.072	2019-XH	2019-TH	.048	.052	2019-XT	2019-TT
• 20	1	20	.032	.032	1020	.048	.056	201-XE	201-TE	.058	.066	201-XH	201-TH	.042	.046	201-XT	201-TT
• 19	1	19	.036	.036	1288	.052	.060	191-XE	191-TE	.062	.070	191-XH	191-TH	—	—	—	—
• 18	7	26	.0159	.047	1771	.064	.074	187-XE	187-TE	.074	.084	187-XH	187-TH	—	—	—	—
• 18	19	30	.0100	.047	1900	.064	.074	1819-XE	1819-TE	.074	.084	1819-XH	1819-TH	—	—	—	—
• 18	1	18	.040	.040	1620	.056	.066	181-XE	181-TE	.066	.076	181-XH	181-TH	—	—	—	—
• 16	19	29	.0113	.053	2432	.073	.087	1619-XE	1619-TE	.083	.095	1619-XH	1619-TH	—	—	—	—
• 16	26	30	.0100	.057	2600	.073	.087	1626-XE	1626-TE	.083	.095	1626-XH	1626-TH	—	—	—	—
• 16	1	16	.051	.051	2580	.066	.080	161-XE	161-TE	.076	.088	161-XH	161-TH	—	—	—	—
• 14	19	27	.0142	.067	3838	.087	.101	1419-XE	1419-TE	.097	.113	1419-XH	1419-TH	—	—	—	—
• 12	19	25	.0179	.084	6080	.107	.121	1219-XE	1219-TE	.117	.133	1219-XH	1219-TH	—	—	—	—
• 12	37	28	.0126	.085	5883	.105	.119	1237-XE	1237-TE	.115	.131	1237-XH	1237-TH	—	—	—	—
• 12	65	30	.0100	.089	6500	.109	.123	—	1265-TE	.119	.135	—	1265-TH	—	—	—	—
• 10	37	26	.0159	.108	9361	.127	.141	1037-XE	1037-TE	.137	.153	1037-XH	1037-TH	—	—	—	—
• 10	105	30	.0100	.127	10500	.147	.161	—	10105-TE	.157	.172	—	10105-TH	—	—	—	—
• 8	133	29	.0113	.161	17024	—	—	—	—	.199	.219	—	8133-TH	—	—	—	—
• 6	133	27	.0142	.202	26866	—	—	—	—	.286	.301	—	6133-TH	—	—	—	—
• 4	133	25	.0179	.255	42560	—	—	—	—	.349	.369	—	4133-TH	—	—	—	—

• Special Stranding made similar to MIL-W-16878  
Cage Code 24868