

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681  
 DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL

NOTE: Nominal values are for information only.  
 Nominal values are not requirements.

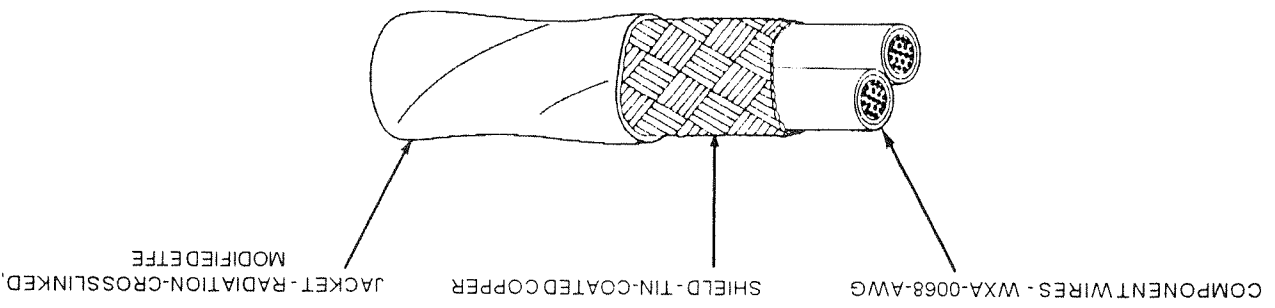
TWO CONDUCTOR CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			NOMINAL	MINIMUM		
CXA-0066-24-2-*	24	38	.008	.006	.117	10.1
CXA-0066-22-2-*	22	38	.008	.006	.129	12.9
CXA-0066-20-2-*	20	38	.008	.006	.148	17.1
CXA-0066-18-2-*	18	38	.008	.006	.171	23.4
CXA-0066-16-2-*	16	38	.008	.006	.186	28.2
CXA-0066-14-2-*	14	38	.008	.006	.222	39.7
CXA-0066-12-2-*	12	38	.009	.007	.251	57.2
CXA-0066-10-2-*	10	38	.009	.007	.318	85.3

ONE CONDUCTOR CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000 ft)
			NOMINAL	MINIMUM		
CXA-0066-24-1-*	24	38	.008	.006	.077	5.8
CXA-0066-22-1-*	22	38	.008	.006	.083	7.3
CXA-0066-20-1-*	20	38	.008	.006	.092	9.4
CXA-0066-18-1-*	18	38	.008	.006	.103	12.6
CXA-0066-16-1-*	16	38	.008	.006	.110	15.0
CXA-0066-14-1-*	14	38	.008	.006	.128	20.9
CXA-0066-12-1-*	12	38	.008	.006	.148	29.3
CXA-0066-10-1-*	10	38	.008	.006	.175	43.3

EXAMPLE: CXA-0066-24-2 (TWO CONDUCTOR CABLE)



CXA-0066

THREE CONDUCTOR CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			NOMINAL	MINIMUM		
CXA-0066-24-3-*	24	38	.006	.008	.117	.123
CXA-0066-22-3-*	22	38	.006	.008	.130	.137
CXA-0066-20-3-*	20	38	.006	.008	.150	.157
CXA-0066-18-3-*	18	38	.006	.008	.173	.182
CXA-0066-16-3-*	16	38	.006	.008	.189	.198
CXA-0066-14-3-*	14	38	.007	.009	.227	.239
CXA-0066-12-3-*	12	38	.007	.009	.268	.282
CXA-0066-10-3-*	10	36	.008	.010	.330	.347
CXA-0066-24-3-*	24	38	.006	.008	.117	.123
CXA-0066-22-3-*	22	38	.006	.008	.130	.137
CXA-0066-20-3-*	20	38	.006	.008	.150	.157
CXA-0066-18-3-*	18	38	.006	.008	.173	.182
CXA-0066-16-3-*	16	38	.006	.008	.189	.198
CXA-0066-14-3-*	14	38	.007	.009	.227	.239
CXA-0066-12-3-*	12	38	.007	.009	.268	.282
CXA-0066-10-3-*	10	36	.008	.010	.330	.347

FOUR CONDUCTOR CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			NOMINAL	MINIMUM		
CXA-0066-24-4-*	24	38	.006	.008	.127	.147
CXA-0066-22-4-*	22	38	.006	.008	.142	.165
CXA-0066-20-4-*	20	38	.006	.008	.164	.191
CXA-0066-18-4-*	18	38	.006	.008	.190	.222
CXA-0066-16-4-*	16	38	.006	.008	.207	.243
CXA-0066-14-4-*	14	38	.007	.009	.250	.294
CXA-0066-12-4-*	12	38	.007	.009	.296	.349
CXA-0066-10-4-*	10	36	.008	.010	.365	.430
CXA-0066-24-4-*	24	38	.006	.008	.127	.147
CXA-0066-22-4-*	22	38	.006	.008	.142	.165
CXA-0066-20-4-*	20	38	.006	.008	.164	.191
CXA-0066-18-4-*	18	38	.006	.008	.190	.222
CXA-0066-16-4-*	16	38	.006	.008	.207	.243
CXA-0066-14-4-*	14	38	.007	.009	.250	.294
CXA-0066-12-4-*	12	38	.007	.009	.296	.349
CXA-0066-10-4-*	10	36	.008	.010	.365	.430

FIVE CONDUCTOR CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			NOMINAL	MINIMUM		
CXA-0066-24-5-*	24	38	.006	.008	.138	.158
CXA-0066-22-5-*	22	38	.006	.008	.155	.176
CXA-0066-20-5-*	20	38	.006	.008	.179	.205
CXA-0066-18-5-*	18	38	.006	.008	.209	.239
CXA-0066-16-5-*	16	38	.007	.009	.229	.264
CXA-0066-14-5-*	14	38	.007	.009	.275	.317
CXA-0066-12-5-*	12	36	.008	.010	.333	.383
CXA-0066-10-5-*	10	36	.008	.010	.403	.465
CXA-0066-24-5-*	24	38	.006	.008	.138	.158
CXA-0066-22-5-*	22	38	.006	.008	.155	.176
CXA-0066-20-5-*	20	38	.006	.008	.179	.205
CXA-0066-18-5-*	18	38	.006	.008	.209	.239
CXA-0066-16-5-*	16	38	.007	.009	.229	.264
CXA-0066-14-5-*	14	38	.007	.009	.275	.317
CXA-0066-12-5-*	12	36	.008	.010	.333	.383
CXA-0066-10-5-*	10	36	.008	.010	.403	.465

SIX CONDUCTOR CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			NOMINAL	MINIMUM		
CXA-0066-24-6-*	24	38	.006	.008	.150	.158
CXA-0066-22-6-*	22	38	.006	.008	.168	.176
CXA-0066-20-6-*	20	38	.006	.008	.195	.205
CXA-0066-18-6-*	18	38	.007	.009	.230	.242
CXA-0066-16-6-*	16	38	.007	.009	.251	.264
CXA-0066-14-6-*	14	36	.007	.009	.306	.321
CXA-0066-12-6-*	12	36	.008	.010	.365	.383
CXA-0066-10-6-*	10	36	.009	.011	.445	.467
CXA-0066-24-6-*	24	38	.006	.008	.150	.158
CXA-0066-22-6-*	22	38	.006	.008	.168	.176
CXA-0066-20-6-*	20	38	.006	.008	.195	.205
CXA-0066-18-6-*	18	38	.007	.009	.230	.242
CXA-0066-16-6-*	16	38	.007	.009	.251	.264
CXA-0066-14-6-*	14	36	.007	.009	.306	.321
CXA-0066-12-6-*	12	36	.008	.010	.365	.383
CXA-0066-10-6-*	10	36	.009	.011	.445	.467

**SEVEN CONDUCTOR CABLE CONSTRUCTION DETAILS**

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)			OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			MINIMUM	NOMINAL	NOMINAL		
CXA-0066-24-7-*	24	38	.006	.008	.150	1.58	23.8
CXA-0066-22-7-*	22	38	.006	.008	.168	1.76	32.3
CXA-0066-20-7-*	20	38	.006	.008	.195	2.05	45.0
CXA-0066-18-7-*	18	38	.007	.009	.230	2.42	65.2
CXA-0066-16-7-*	16	38	.007	.009	.251	2.64	80.3
CXA-0066-14-7-*	14	36	.007	.009	.306	3.21	121
CXA-0066-12-7-*	12	36	.008	.010	.365	3.83	177
CXA-0066-10-7-*	10	34	.009	.011	.450	4.73	279

**EIGHT CONDUCTOR CABLE CONSTRUCTION DETAILS**

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)			OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			MINIMUM	NOMINAL	NOMINAL		
CXA-0066-24-8-*	24	38	.006	.008	.160	1.82	26.5
CXA-0066-22-8-*	22	38	.006	.008	.179	2.05	36.1
CXA-0066-20-8-*	20	38	.006	.008	.209	2.39	50.5
CXA-0066-18-8-*	18	38	.007	.009	.246	2.82	73.4
CXA-0066-16-8-*	16	38	.007	.009	.269	3.09	90.6
CXA-0066-14-8-*	14	36	.008	.010	.330	3.79	137
CXA-0066-12-8-*	12	36	.008	.010	.392	4.51	200
CXA-0066-10-8-*	10	34	.009	.011	.484	5.57	316

**NINE CONDUCTOR CABLE CONSTRUCTION DETAILS**

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (in.)			OUTSIDE DIAMETER (in.)	MAXIMUM WEIGHT (lb/1000ft)
			MINIMUM	NOMINAL	NOMINAL		
CXA-0066-24-9-*	24	38	.006	.008	.171	1.98	29.5
CXA-0066-22-9-*	22	38	.006	.008	.193	2.24	40.2
CXA-0066-20-9-*	20	38	.007	.009	.227	2.64	56.9
CXA-0066-18-9-*	18	38	.007	.009	.266	3.10	81.9
CXA-0066-16-9-*	16	38	.007	.009	.295	3.43	105
CXA-0066-14-9-*	14	36	.008	.010	.357	4.17	154
CXA-0066-12-9-*	12	36	.009	.011	.426	4.99	225
CXA-0066-10-9-*	10	34	.010	.012	.526	6.15	355

**CABLE RATINGS AND ADDITIONAL REQUIREMENTS**

TEMPERATURE RATING: 150°C  
 Maximum continuous conductor temperature  
 VOLTAGE RATING: 600 volts (rms)  
 CONCENTRICITY: 70%  
 CROSSLINKED VERIFICATION: 300 ± 3°C for 6 hours  
 BLOCKING: 150 ± 3°C for 6 hours  
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz, conductor to shield  
 FLAMMABILITY: Procedure 1, 30 seconds (maximum); 3 in. (maximum); no flaming or facial tissue  
 JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 50% (minimum)  
 Tensile Strength, 5000 lbf/in<sup>2</sup> (minimum)  
 JACKET FLAWS: Spark Test, 1.5 KV (rms), 60 Hz, 100% test  
 Impulse Dielectric Test, 6.0 KV (peak), 100% test

COMPONENT COLORS: Component colors shall be based on the number of conductors per the following color sequence:  
 9/6/3/5/2/0/4/7/8  
 The "..." in the part numbers shall be replaced by a jacket color code designator.  
 Example: AWG 20, 3 conductor cable, white jacket, will have component colors 9,6,3. The part number will be CXA-0066-20-3-9.

LIFE CYCLE: 200 ± 5°C for 168 hours  
 LOW TEMPERATURE-COLD BEND: -65 ± 5°C for 4 hours  
 SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND (POST ENVIRONMENTAL): 1000 volts (rms), 60 Hz, 1 minute

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