

RAYTHEON

RAYTHEON COMPANY
LEXINGTON, MASS. 02173

CODE IDENT NO.

SPEC NO.

T73-633

49956

SHEET
1 OF 3

REV 0

TYPE OF SPEC

PURCHASE SPECIFICATION

TITLE OF SPEC

LEAD WIRE, STRANDED, INSULATED, SHIELDED

T73-633

FUNCTION	APPROVED	DATE	FUNCTION	APPROVED	DATE
WRITER	<i>ALW</i>	7/3/80			

REVISIONS

CHK	DESCRIPTION	REV	CHK	DESCRIPTION	REV
<i>M</i>	ORIGINATED	0			

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REVISION																				
SHEET NO.																				
REV STATUS OF SHEETS	REVISION	0	0	0																
	SHEET NO.	1	2	3																

LEAD WIRE, STRANDED, INSULATED, SHIELDED, FOR OPERATION FROM -90C TO +200C, 600 VRMS.

CONDUCTORS: SILVER PLATED COPPER

INSULATION: TEFLON, EXTRUDED, OR SPIRAL WRAPPED & FUSED

SHIELDING: 90% MINIMUM COVERAGE SILVER PLATED COPPER

INDIVIDUAL CONDUCTORS SHALL CONFORM TO MIL-W-16878, TYPE E.

COLORS:

- INDIVIDUAL CONDUCTORS: 1 CONDUCTOR, WHITE
- 2 CONDUCTORS, WHITE & BLACK
- 3 CONDUCTORS, WHITE, BLACK & RED
- 4 CONDUCTORS, WHITE, BLACK, RED & GREEN

RAYTHEON PART NUMBER SHALL BE T73- PXXY, WHERE "XX" DENOTES THE AWG CONDUCTOR SIZE FROM THE TABLE BELOW, AND "Y" DENOTES THE NUMBER OF CONDUCTORS, 1, 2, 3 OR 4

EXAMPLE: T73- P032, #28 WITH 2 CONDUCTORS.

RAYTHEON PART NO.	AWG SIZE	STRANDS	1 CONDUCTOR		2 CONDUCTOR		3 CONDUCTOR		4 CONDUCTOR			
			NOMINAL DIAM OVER		NOMINAL DIAM OVER		NOMINAL DIAM OVER		NOMINAL DIAM OVER			
			COND.	INSUL	SHLD	CABLE	SHLD	CABLE	SHLD	CABLE	SHLD	CABLE
P011-P014	32	7X#40	.009	.032	.054	.070	.086	.102	.092	.108	.102	.118
P021-P024	30	7X#38	.012	.033	.055	.071	.088	.104	.095	.111	.105	.121
P031-P034	28	7X#36	.015	.035	.057	.073	.092	.108	.099	.115	.110	.126
P041-P044	26	7X#34	.019	.039	.061	.077	.100	.116	.108	.124	.120	.136
P051-P054	24	7X#32	.024	.044	.066	.084	.110	.128	.119	.137	.132	.150
P061-P064	24	19X#36	.025	.045	.067	.085	.112	.130	.121	.139	.135	.153
P071-P074	22	7X#30	.030	.050	.072	.092	.122	.142	.132	.152	.147	.167
P081-P084	22	19X#34	.031	.051	.073	.093	.124	.144	.134	.154	.150	.170
P091-P094	20	7X#28	.038	.060	.082	.102	.142	.162	.154	.174	.172	.192

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FSCM NO.

49956

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3 OF 3

REV 0

RAYTHEON PART NO.	AWG SIZE	STRANDS	1 CONDUCTOR		2 CONDUCTOR		3 CONDUCTOR		4 CONDUCTOR			
			NOMINAL DIAM OVER		NOMINAL DIAM. OVER		NOMINAL DIAM OVER		NOMINAL DIAM OVER			
			COND.	INSUL	SHLD	INSUL	SHLD	INSUL	SHLD	INSUL	SHLD	INSUL
P101-P104	20	19X#32	.040	.060	.082	.102	.142	.162	.154	.174	.172	.192
P111-P114	18	19X#30	.050	.071	.093	.115	.164	.186	.178	.200	.200	.222
P121-P124	16	19X#29	.057	.082	.104	.126	.186	.208	.202	.224	.227	.249
P131-P134	14	19X#27	.071	.094	.116	.140	.210	.234	.229	.253	.257	.281
P141-P144	12	19X#25	.090	.118	.140	.164	.258	.282	.282	.306	.317	.344

