



HOOK-UP WIRE

MIL-W-16878/3

TYPE D - UNCOVERED PVC



DESCRIPTION:

Stranded tinned copper, color coded.
polyvinylchloride insulation.

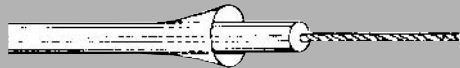
CHARACTERISTICS:

Temperature rating — 55°C to +105°C.
Voltage rating 3000 Volts. Resistant to acids, alkalis,
oil, flame, moisture, solvents, and fungus.

OLYMPIC NO.	TYPE DESIGNATION	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D.
230	D-24	24	7/32	.029"	.082"
231	D-22	22	7/30	.029"	.088"
232	D-20	20	7/28	.029"	.096"
233	D-18	18	7/26	.029"	.106"
234	D-16	16	19/29	.029"	.115"
235	D-14	14	19/27	.029"	.129"
236	D-12	12	19/25	.034"	.158"
237	D-10	10	37/26	.037"	.185"
238	D-8	8	133/29	.040"	.247"
239	D-6	6	133/27	.040"	.290"

MIL-W-16878/19

TYPE D - NYLON JACKET



DESCRIPTION:

Stranded tinned copper, color coded.
.010" polyvinylchloride insulation, clear nylon
(polyamide) jacket overall.

CHARACTERISTICS:

Temperature rating — 55°C to +115°C.
Voltage rating 3000 Volts. Resistant to acids, alkalis,
oil, flame, moisture, solvents, and fungus.

OLYMPIC NO.	TYPE DESIGNATION	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. JACKET THICKNESS	NOM. O.D.
240	D-24	24	7/32	.029"	.004"	.090"
241	D-22	22	7/30	.029"	.004"	.096"
242	D-20	20	7/28	.029"	.004"	.104"
243	D-18	18	7/26	.029"	.004"	.114"
261	D-18	18	19/30	.029"	.004"	.115"
244	D-16	16	19/29	.029"	.005"	.125"
245	D-14	14	19/27	.029"	.005"	.139"
246	D-12	12	19/25	.034"	.005"	.168"
247	D-10	10	37/26	.037"	.006"	.197"
248	D-8	8	133/29	.040"	.009"	.265"
249	D-6	6	133/27	.040"	.010"	.310"

MIL-W-16878/4

TEFLON® TYPE E - EXTRUDED



DESCRIPTION:

Single conductor stranded silver plated copper
extruded TFE Teflon insulation.

CHARACTERISTICS:

Temperature rating — 65°C to +200°C.
Voltage rating 600 Volts. Resistant to acids, alkalis,
oil, flame, moisture, solvents, and fungus.

UL Rated - 105°C

OLYMPIC NO.	TYPE DESIGNATION	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D.
300	E-32	32	7/40	.010"	.029"
*301	E-30	30	7/38	.010"	.032"
*302	E-28	28	7/36	.010"	.036"
*303	E-26	26	7/34	.010"	.040"
*304	E-26	26	19/38	.010"	.041"
*305	E-24	24	19/36	.010"	.045"
*306	E-24	24	7/32	.010"	.044"
*307	E-22	22	19/34	.010"	.051"
*308	E-22	22	7/30	.010"	.050"
*309	E-20	20	19/32	.010"	.059"
*310	E-20	20	7/28	.010"	.058"
*311	E-18	18	19/30	.010"	.070"
*312	E-16	16	19/29	.010"	.077"
†313	E-14	14	19/27	.012"	.094"
†314	E-12	12	19/25	.012"	.113"
†315	E-10	10	37/26	.012"	.134"

* UL1213 only supplied if specified when ordering.

† Not UL recognized



THERMOCOUPLE WIRE & EXTENSION WIRE

DUPLEX EXTENSION WIRE

DESCRIPTION:

Solid or stranded alloy wire matched and calibrated to standard limits of error per ASA C96.1

APPLICATION:

Interconnection of thermocouples to temperature recording apparatus

INSULATION TEMPERATURE RATINGS:

Glass Braid with Silicon	482°C
Teflon (FEP)	205°C
PVC	105°C

OLYMPIC NO.	ANSI TYPE	CONDUCTOR AWG	STRANDING	COND. INSUL.	JACKET MAT'L	NOM. O.D.
1011	EX	20	ONE	PVC	PVC	.084" x .142"
1012	JX	16	ONE	PVC	PVC	.121" x .201"
1014	JX	16	ONE	GLASS* BRAID	GLASS* BRAID	.081" x .142"
1015	JX	16	ONE	FEP	FEP	.091" x .161"
1016	JX	20	ONE	PVC	PVC	.100" x .163"
1021	KX	16	ONE	PVC	PVC	.121" x .201"
1023	KX	16	ONE	GLASS* BRAID	GLASS* BRAID	.081" x .142"
1024	KX	20	ONE	PVC	PVC	.100" x .163"
1024F	KX	20	7/28	PVC	PVC	.090" x .154"
1030	TX	16	ONE	PVC	PVC	.121" x .201"
1031	TX	20	ONE	PVC	PVC	.100" x .163"

DUPLEX THERMOCOUPLE WIRE GRADE

DESCRIPTION:

Solid or stranded alloy wire matched and calibrated to standard limits of error per ASA C96.1

APPLICATION:

For primary thermocouple fabrication and interconnection of thermocouples to temperature recording apparatus

OLYMPIC NO.	ANSI TYPE	CONDUCTOR AWG	STRANDING	COND. INSUL.	JACKET MAT'L	NOM. O.D.
1102	J	20	ONE	GLASS* BRAID	GLASS* BRAID	.064" x .109"
1102F	J	20	7/28	GLASS* BRAID	GLASS* BRAID	.090" x .154"
1105	J	20	ONE	FEP	FEP	.072" x .124"
1112	K	20	ONE	GLASS* BRAID	GLASS* BRAID	.064" x .109"
1112F	K	20	7/28	GLASS* BRAID	GLASS* BRAID	.090" x .154"
1115	K	20	ONE	FEP	FEP	.072" x .124"
1125	T	20	ONE	FEP	FEP	.072" x .124"

* Silicone varnish impregnated glass

ISA/ANSI COLOR CODE

TYPE						OVERALL JACKET		
GRADE	EXTENSION	POSITIVE WIRES		NEGATIVE WIRES		GRADE	TRACER	EXTENSION
J	JX	Iron	White	Constantan	Red	Brown	Black	Black
K	KX	Chromel	Yellow	Alumel	Red	Brown	Yellow	Yellow
T	TX	Copper	Blue	Constantan	Red	Brown	Blue	Blue
E	EX	Chromel	Purple	Constantan	Red	Brown	Purple	Purple
—	RX, SX	Copper	Black	Alloy #11	Red	—	—	Green