



**WIRE, CABLE & TUBING**

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# HOOK-UP WIRE PVC INSULATED

As Weico enters its second half century of supplying wire, cable and tubing to the electronics industry, we reflect on basic principles that never change, yet form the foundation for all change and progress. Weico's commitment to quality and safety remains the same today as it did a half century ago.

## Commitment to Quality and Safety

A total commitment by Weico that the wire and cable listed in this catalog has been manufactured to Weico's exacting specifications and all products meet and in most cases exceed the referenced specifications whether UL, CSA, Military or National Electric Code.

This extraordinary catalog is an essential tool for today's designers and engineers. It provides complete, accurate information concisely listed. Its unique three way index allows the user to find products by Weico part number, product description, or by industry specification, whether federal, military, UL or CSA. Designed by engineers for engineers, it is the most comprehensive technical catalog in the industry and has been the designers friend for more than a half century.

### MIL-W-16878/1 TYPE B-600V

(PASSES UL VW-1 FLAME TEST)



#### DESCRIPTION:

Stranded or Solid Tinned Copper,  
Color Coded Polyvinylchloride Insulation

#### CHARACTERISTICS:

- Temperature Rating: -55°C to +105°C
- Voltage Rating: 600 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1130	M16878/1BBB - X	30	7/38	.010	.032
1128	M16878/1BCB - X	28	7/36	.010	.034
1126/1	M16878/1BDA - X	26	SOLID	.010	.036
1126	M16878/1BDB - X	26	7/34	.010	.038
1126/19	M16878/1BDE - X	26	19/38	.010	.038
1124/1	M16878/1BEA - X	24	SOLID	.010	.040
1124	M16878/1BEB - X	24	7/32	.010	.043
1124/19	M16878/1BEE - X	24	19/36	.010	.043
1122/1	M16878/1BFA - X	22	SOLID	.010	.045
1122	M16878/1BFB - X	22	7/30	.010	.050
1122/19	M16878/1BFE - X	22	19/34	.010	.050
1120	M16878/1BGB - X	20	7/28	.010	.058
1120/19	M16878/1BGE - X	20	19/32	.010	.058
1118	M16878/1BHB - X	18	7/26	.010	.068
1118/19	M16878/1BHE - X	18	19/30	.010	.068
1116/19	M16878/1BJE - X	16	19/29	.010	.077
1114/19	M16878/1BKE - X	14	19/27	.010	.091

### MIL-W-16878/2 TYPE C-1000V

(PASSES UL VW-1 FLAME TEST)



#### DESCRIPTION:

Stranded or Solid Tinned Copper,  
Color Coded Polyvinylchloride Insulation

#### CHARACTERISTICS:

- Temperature Rating: -55°C to +105°C
- Voltage Rating: 1000 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1224/1	M16878/2BEA - X	24	SOLID	.016	.052
1224	M16878/2BEB - X	24	7/32	.016	.058
1222/1	M16878/2BFA - X	22	SOLID	.016	.059
1222	M16878/2BFB - X	22	7/30	.016	.064
1220/1	M16878/2BGA - X	20	SOLID	.016	.066
1220	M16878/2BGB - X	20	7/28	.016	.072
1218	M16878/2BHB - X	18	7/26	.016	.082
1216/19	M16878/2BJE - X	16	19/29	.016	.091
1214/19	M16878/2BKE - X	14	19/27	.016	.105
1212/19	M16878/2BLE - X	12	19/25	.016	.124

### MIL-W-16878/3 TYPE D-3000V

(PASSES UL VW-1 FLAME TEST)



#### DESCRIPTION:

Stranded Tinned Copper,  
Color Coded Polyvinylchloride Insulation

#### CHARACTERISTICS:

- Temperature Rating: -55°C to +105°C
- Voltage Rating: 3000 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1324	M16878/3BEB - X	24	7/32	.029	.082
1322	M16878/3BFB - X	22	7/30	.029	.088
1320	M16878/3BGB - X	20	7/28	.029	.096
1318	M16878/3BHB - X	18	7/26	.029	.106
1316/19	M16878/3BJE - X	16	19/29	.029	.115
1314/19	M16878/3BKE - X	14	19/27	.029	.129
1312/19	M16878/3BLE - X	12	19/25	.034	.158
1310	M16878/3BMG - X	10	37/26	.037	.185
1308	M16878/3BNL - X	8	133/29	.040	.247
1306	M16878/3BPL - X	6	133/27	.040	.290
1304	M16878/3BRL - X	4	133/25	.046	.358
1302	M16878/3BSP - X	2	665/30	.046	.432

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**X Denotes 0-9 color coding Standard Put-Ups: 100 ft., 1000 ft.**

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.



# HOOK-UP WIRE PVC INSULATED

## MIL-W-16878/1 PREBONDED TYPE B-600V (PASSES UL VW-1 FLAME TEST)



### DESCRIPTION:

Tinned Copper Strands Twisted Together and Heated Causing the Tin to Flow, Fusing the Conductor Along Its Entire Length, Color Coded Polyvinylchloride Insulation.

### CHARACTERISTICS:

- Temperature Rating: -55°C to +105°C
- Voltage Rating: 600 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
1526	26	7/34	.039
1524	24	7/32	.044
1522	22	7/30	.051
1520	20	7/28	.059
1518	18	7/26	.070

### APPLICATION:

The prebond conductor maintains much of the flexibility of an ordinary stranded wire but reduces processing and handling costs on soldering, retwisting of strands after stripping and hand tinning operations. Prebonded is the most flexible of the bonded constructions.

## MIL-W-16878/17 NYLON JACKET TYPE BN-600V



### DESCRIPTION:

Stranded Tinned Copper. Color Coded Polyvinylchloride Insulation, Clear Nylon Jacket.

### CHARACTERISTICS:

- Temperature Rating: -55°C to +115°C
- Voltage Rating: 600 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	INSULATION STRAND	INSULATION THICKNESS	NYLON JACKET THICKNESS	NOM. O.D. (INCHES)
1926/19	M16878/17BDE-X	26	19/38	.010	.003	.044
1926	M16878/17BDB-X	26	7/34	.010	.003	.044
1924/19	M16878/17BEE-X	24	19/36	.010	.003	.049
1924	M16878/17BEB-X	24	7/32	.010	.003	.049
1922/19	M16878/17BFE-X	22	19/34	.010	.003	.056
1922	M16878/17BFB-X	22	7/30	.010	.003	.056
1920/19	M16878/17BGE-X	20	19/32	.010	.003	.064
1918/19	M16878/17BHE-X	18	19/30	.010	.003	.074
1916/19	M16878/17BJE-X	16	19/29	.010	.003	.083
1914/19	M16878/17BKE-X	14	19/27	.010	.004	.099

## MIL-W-76B TYPE MW-1000V (PASSES UL VW-1 FLAME TEST)



### DESCRIPTION:

Stranded Tinned Copper. Color Coded Polyvinylchloride Insulation.

### CHARACTERISTICS:

- Temperature Rating: -40°C to +80°C
- Voltage Rating: 1000 Volts

WEICO NO.	TYPE DESIGNATION	CONDUCTOR SIZE	CONDUCTOR STRAND	INSULATION THICKNESS	NOM. O.D. (INCHES)
1624	MW-C24(7)U	24	7/32	.016	.059
1622	MW-C22(7)U	22	7/30	.016	.064
1620	MW-C20(10)U	20	10/30	.016	.073
1618	MW-C18(16)U	18	16/30	.016	.084
1616	MW-C16(26)U	16	26/30	.016	.095
1614	MW-C14(41)U	14	41/30	.016	.110
1612	MW-C12(65)U	12	65/30	.016	.125

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**X Denotes 0-9 color coding Standard Put-Ups: 100 ft., 1000 ft.**

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.



# HOOK-UP WIRE IRRADIATED PVC INSULATED

## UL 1429 IRRADIATED



(PASSES UL VW-1 FLAME TEST)



### DESCRIPTION:

Stranded or Solid Tinned Copper, Irradiated Polyvinylchloride Insulation

### CHARACTERISTICS:

- Temperature Rating: -55°C to +80°C
- Voltage Rating: 150 Volts

### UL STYLE 1429

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1428	28	7/36	.010	.035
1426/1	26	SOLID	.010	.038
1426	26	7/34	.010	.038
1424	24	7/32	.010	.043
1424/19	24	19/36	.010	.043
1422/1	22	SOLID	.010	.050
1422	22	7/30	.010	.050
1422/19	22	19/34	.010	.050
1420	20	7/28	.010	.058
1420/19	20	19/32	.010	.058
1418	18	7/26	.010	.068
1418/19	18	19/30	.010	.068
1416/19	16	19/0117	.010	.077
*1414/19	14	19/0147	.012	.095

\*UL 1534

## UL 1430 IRRADIATED



(PASSES UL VW-1 FLAME TEST)



### DESCRIPTION:

Stranded Tinned Copper, Irradiated Polyvinylchloride Insulation

### CHARACTERISTICS:

- Temperature Rating: -55°C to +105°C
- Voltage Rating: 300 Volts

### UL STYLE 1430

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1446	24	7/32	.016	.058
1446/19	24	19/36	.016	.058
1447	22	7/30	.016	.064
1447/19	22	19/34	.016	.064
1448	20	7/28	.016	.072
1448/19	20	19/32	.016	.072
1449	18	7/26	.016	.082
1449/19	18	19/30	.016	.082
1450	16	19/0117	.016	.091
†1451	14	19/0147	.016	.105
†1452	12	19/0186	.016	.124

†UL 3317

## UL 1431 IRRADIATED



(PASSES UL VW-1 FLAME TEST)



### DESCRIPTION:

Stranded Tinned Copper, Irradiated Polyvinylchloride Insulation

### CHARACTERISTICS:

- Temperature Rating: -55°C to +105°C
- Voltage Rating: 600 Volts

### UL STYLE 1431

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1469	24	7/32	.032	.092
1468	22	7/30	.032	.094
1467	20	19/32	.032	.103
1466	18	19/30	.032	.111
1465	16	19/0117	.032	.120
1464	14	19/0147	.032	.134
1463	12	19/0186	.032	.153
1462	10	37/0168	.032	.177
1461	8	133/29	.047	.263
1460	6	133/27	.065	.343

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**X Denotes 0-9 color coding Standard Put-Ups: 100 ft., 1000 ft.**

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.



# HOOK-UP WIRE PVC INSULATED

## 1007 1569 CSA TR-64

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Stranded Tinned Copper, Color Coded Polyvinylchloride Insulation, .016" Nominal Insulation Thickness

**CHARACTERISTICS:**  
• Temperature Range: -40°C to + 105°C  
• Voltage Rating: 300 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3028	28	7/36	.048
3026	26	7/34	.051
3024	24	7/32	.057
3022	22	7/30	.064
3020	20	10/30	.072
3018	18	16/30	.082
3016	16	26/30	.095
3014	14	41/30	.110

## PREBONDED 1007 1569 CSA TR-64

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Tinned Copper Strands Twisted Together and Heated Causing The Tin To Flow, Fusing The Conductor Along Its Entire Length, Color Coded Polyvinylchloride Insulation, .016" Nominal Insulation Thickness.

**CHARACTERISTICS:**  
• Temperature Range: -40°C to + 105°C  
• Voltage Rating: 300 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3024PB	24	7/32	.057
3022PB	22	7/30	.064
3020PB	20	7/28	.072

**APPLICATION:**  
The prebond conductor maintains much of the flexibility of an ordinary stranded wire but reduces processing and handling costs on soldering, retwisting of strands after stripping and hand tinning operations. Prebonded is the most flexible of the bonded constructions.

## TOPCOAT 1007 1569 CSA TR-64

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Bare Copper Strands Twisted Together With The Resulting Conductor Given A Coating of Pure Tin, Bonding The Conductor Along Its Entire Length, Color Coded Polyvinylchloride Insulation, .016" Nominal Insulation Thickness.

**CHARACTERISTICS:**  
• Temperature Range: -40°C to + 105°C  
• Voltage Rating: 300 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3024TC	24	7/32	.057
3022TC	22	7/30	.064
3020TC	20	10/30	.072
3018TC	18	16/30	.082

**APPLICATION:**  
Reduces processing and handling costs on soldering, retwisting of strands and hand tinning operations. Topcoat is more flexible than solid conductors, but not as flexible as prebonded.

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**X Denotes 0-9 color coding Standard Put-Ups: 100 ft., 1000 ft.**  
\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.



# HOOK-UP WIRE PVC INSULATED

## 1015 UL MTW CSA TEW

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Stranded Or Solid Tinned Copper, Color Coded Polyvinylchloride Insulation, .032" Nominal Insulation Thickness

**CHARACTERISTICS:**  
• Temperature Range: -40°C to +105°C  
• Voltage Rating: 600 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3224	24	7/32	.088
3222	22	7/30	.095
3220	20	10/30	.102
3218/1	18	SOLID	.104
3218	18	16/30	.112
3216	16	26/30	.125
3214	14	41/30	.142
3212	12	65/30	.156
3210	10	105/30	.184
*3208	8	133/29	.265
**3206	6	133/27	.341
**3204	4	133/25	.388
**3202	2	665/30	.424

\*UL 1028 \*\*UL 1283

## PREBONDED 1015 UL MTW CSA TEW

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Tinned Copper Strands Twisted Together and Heated Causing The Tin To Flow, Fusing The Conductor Along Its Entire Length, Color Coded Polyvinylchloride Insulation, .032" Nominal Insulation Thickness

**CHARACTERISTICS:**  
• Temperature Range: -40°C to + 105°C  
• Voltage Rating: 600 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3222PB	22	7/30	.095
3220/7PB	20	7/28	.102
3218PB	18	16/30	.112
3216PB	16	26/30	.125

**APPLICATION:**  
The prebond conductor maintains much of the flexibility of an ordinary stranded wire but reduces processing and handling costs on soldering, retwisting of strands after stripping and hand tinning operations. Prebonded is the most flexible of the bonded constructions.

## TOPCOAT 1015 UL MTW CSA TEW

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Bare Copper Strands Twisted Together With The Resulting Conductor Given A Coating of Pure Tin, Bonding The Conductor Along Its Entire Length, Color Coded Polyvinylchloride Insulation, .032" Nominal Insulation Thickness.

**CHARACTERISTICS:**  
• Temperature Range: -40°C to + 105°C  
• Voltage Rating: 600 Volts

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3224TC	24	7/32	.088
3222TC	22	7/30	.095
3220/7TC	20	7/28	.102
3218TC	18	16/30	.112

**APPLICATION:**  
Reduces processing and handling costs on soldering, retwisting of strands and hand tinning operations. Topcoat is more flexible than solid conductors, but not as flexible as prebonded.

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**X Denotes 0-9 color coding Standard Put-Ups: 100 ft., 1000 ft.**  
\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.



# HOOK-UP WIRE POLYETHYLENE • RUBBER TEST LEAD THHN UNIVERSAL CIRCUIT WIRE

## 3173 UL SIS CSA CL 1251



**DESCRIPTION:**  
Stranded Tinned Copper, Color Coded  
Cross-Linked Polyethylene Insulation

**CHARACTERISTICS:**  
• Temperature Rating:  
UL 3173: -35°C to +125°C  
SIS: -35°C to +90°C  
• Voltage Rating: 600 V

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
*3718/16	18	16/30	.030	.113
*3716/26	16	26/30	.030	.125
3714/41	14	41/30	.030	.141
3712/65	12	65/30	.030	.158
3710/105	10	105/30	.030	.192
†3708/133	8	133/29	.045	.262

\*UL 3173 + CSA only † UL3195

**Standard Put-Ups: 100ft, 1000 ft.**

## TEST LEAD WIRE



**DESCRIPTION:**  
Stranded Tinned Copper, Color Coded  
Rubber Insulation

**CHARACTERISTICS:**  
• Temperature Range: -30°C to +90°C  
• Voltage Rating: See chart

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRANDING	NOM. WALL THICKNESS	NOM. O.D. (INCHES)	BREAKDOWN VOLTAGE	SUGGESTED WORKING VOLTAGE
9912	20	41/36	.040	.125	6,000V	1,500V
9913	18	65/36	.045	.140	20,000V	5,000V

**Standard Put-Ups: 500ft, 1000 ft.**

**STOCK COLORS:**  
Black, Red, Green - Consult Factory For Availability Of Other Colors

## THHN UNIVERSAL CIRCUIT WIRE 600V



**DESCRIPTION:**  
Stranded or Solid Bare Copper, PVC Insulation and  
Clear Nylon Jacket Overall. Used for Building Wire,  
Machine Tool Wire, Appliances, Lighting Ballasts  
and General Hook-up Wire.

**CHARACTERISTICS:**  
• Temperature Rating: -25°C to + 105°C  
• Voltage Rating: 600 Volts

WEICO NO.	COND. SIZE (AWG) & STRANDING	INSULATION THICKNESS	NOMINAL JACKET THICKNESS	NOM.O.D. (INCHES)
†8928	#18 Solid	.015	.004	.082
†1430	#16 Solid	.015	.004	.089
1431	#14 Solid	.015	.004	.110
1432	#12 Solid	.015	.004	.125
1433	#10 Solid	.020	.004	.155
†1429	#18 (19)	.015	.004	.090
†1434	#16 (19)	.015	.004	.100
1435	#14 (19)	.015	.004	.116
1436	#12 (19)	.015	.004	.135
1437	#10 (19)	.020	.004	.170
1438	#8 (19)	.030	.005	.225
1439	#6 (19)	.030	.005	.260
1440	#4 (19)	.040	.006	.335
1441	#2 (19)	.040	.006	.400
1442	#1 (19)	.050	.007	.450
1443	#1/0 (19)	.050	.007	.500
1444	#2/0 (19)	.050	.007	.540

†TFFN

**COLORS:**  
0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**Standard Put-Ups: #18 thru #12 - 500 ft., 2,500 ft.  
#10 thru #6 - 500 ft., 1,000 ft.  
#4 - 100 ft., 500 ft.**



# HOOK-UP WIRE PVC • POLYOLEFIN INSULATED

## 1061 SEMI-RIGID CSA SR-PVC (PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Stranded Tinned Copper, Color Coded  
Semi-Rigid Polyvinylchloride Insulation

**CHARACTERISTICS:**  
• Temperature Range: -10°C to +80°C  
• Voltage Rating: 300 Volts

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM.O.D. (INCHES)
3326	26	7/34	.010	.038
3324	24	7/32	.010	.042
3322	22	7/30	.010	.048
3320	20	7/28	.010	.056
3318	18	7/26	.010	.068

**APPLICATIONS:**  
Internal wiring of computers, electric bookkeeping, accounting machines, and other office and control equipment.

## 3271 CSA CL 1251 (PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Stranded Tinned Copper, Color Coded  
Irradiated Cross Linked Polyolefin (XLPE),  
.032" Nominal Insulation Thickness

**CHARACTERISTICS:**  
• Temperature Range: -55°C to +125°C  
• Voltage Rating: 600 Volts

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
3620	20	7/28	.101
3618	18	16/30	.109
3616/19	16	19/29	.122
3614/41	14	41/30	.137
3612/65	12	65/30	.156
3610/105	10	105/30	.182

## 3266 CSA CL 1252 (PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**  
Stranded Tinned Copper, Color Coded  
Irradiated Cross Linked Polyolefin (XLPE),  
.016" Nominal Insulation Thickness

**CHARACTERISTICS:**  
• Temperature Range: - 55°C to + 125°C  
• Voltage Rating: 300 Volts

WEICO NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM.O.D. (INCHES)
*3524/19	24	19/36	.057
3522	22	7/30	.062
3522/19	22	19/34	.064
3520/19	20	19/32	.072
3518/19	18	19/30	.082
3516/19	16	19/29	.089
3514/19	14	19/27	.106

\*AWM only

**Standard Put-Ups: 100 ft., 1000 ft.**

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**REF. MIL-W-16878/11  
TYPE K**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Tinned Copper (Weico Stocks This Material In The More Popular Tinned Copper, The MIL-Spec Version Is Silver Plated Copper) Extruded Color Coded FEP "Teflon" Insulation.

**CHARACTERISTICS:**

- Temperature Range: -55°C to +150°C
- Voltage Rating: 600 Volts

WEICO NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
K2122	22	7/30	.010	.050
K2122/19	22	19/34	.010	.051
K2120/19	20	19/32	.010	.059
K2118/19	18	19/30	.010	.070

**1180**

**CSA AWM**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Silver Plated Copper Conductor, Extruded TFE "Teflon" Insulation, UL & CSA Imprinted

**CHARACTERISTICS:**

- Temperature Range: -60°C to +200°C
- Voltage Rating: 300 Volts

WEICO NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2224/19UL	24	19/36	.015	.054
2222/19UL	22	19/34	.015	.060
2220/19UL	20	19/32	.015	.068
2218/19UL	18	19/30	.015	.077
2216/19UL	16	19/0117	.015	.085
2214/19UL	14	19/0147	.015	.099
2212/19UL	12	19/0185	.015	.119
2210UL	10	37/0167	.015	.143

**1199**

**CSA AWM**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Silver Plated Copper Conductor, Extruded TFE "Teflon" Insulation, UL & CSA Imprinted

**CHARACTERISTICS:**

- Temperature Range: -60°C to +200°C
- Voltage Rating: 600 Volts

WEICO NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2624/19UL	24	19/36	.022	.068
2622/19UL	22	19/34	.022	.074
2620/19UL	20	19/32	.022	.082
2618/19UL	18	19/30	.022	.091
2616/19UL	16	19/0117	.022	.100
2614/19UL	14	19/0147	.022	.114
2612/19UL	12	19/0185	.022	.133
2610UL	10	37/0167	.022	.158
2608UL	8	133/29	.030	.230

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**Standard Put-Ups: 100 ft., 1000 ft.**

\*DuPont's Registered Trademark \*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**MIL-W-22759/11  
600V**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Silver Plated Copper, Extruded TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating: -60°C to +200°C
- Voltage Rating: 600 Volts
- Printed with Military Part Number, & Manufacturer's Code Identification

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2428	M22759/11-28-X	28	7/36	.009	.033
2426/19	M22759/11-26-X	26	19/38	.010	.038
2424/19	M22759/11-24-X	24	19/36	.010	.043
2422/19	M22759/11-22-X	22	19/34	.010	.049
2420/19	M22759/11-20-X	20	19/32	.010	.058
2418/19	M22759/11-18-X	18	19/30	.010	.068
2416/19	M22759/11-16-X	16	19/29	.011	.075
2414/19	M22759/11-14-X	14	19/27	.012	.090
2412/19	M22759/11-12-X	12	19/25	.014	.111
2410/19	M22759/11-10-X	10	37/26	.016	.139

**MIL-W-16878/4  
TYPE E-600V**

(PASSES UL VW-1 FLAME TEST)

**1213**



**DESCRIPTION:**

Stranded Silver Plated Copper, Extruded TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating:  
MIL-W-16878: -60°C to +200°C  
UL 1213: +105°C
- Voltage Rating:  
MIL-W-16878: 600 Volts  
UL 1213: Not Rated

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2132	M16878/4BAB-X	32	7/40	.010	.030
2130	M16878/4BBB-X	30	7/38	.010	.032
2128	M16878/4BCB-X	28	7/36	.010	.036
2128/19	M16878/4BCE-X	28	19/40	.010	.036
2126	M16878/4BDB-X	26	7/34	.010	.040
2126/19	M16878/4BDE-X	26	19/38	.010	.041
2124	M16878/4BEB-X	24	7/32	.010	.044
2124/19	M16878/4BEE-X	24	19/36	.010	.045
2122	M16878/4BFB-X	22	7/30	.010	.050
2122/19	M16878/4BFE-X	22	19/34	.010	.051
2120	M16878/4BGB-X	20	7/28	.010	.058
2120/19	M16878/4BGE-X	20	19/32	.010	.059
2118	M16878/4BHB-X	18	7/26	.010	.068
2118/19	M16878/4BHE-X	18	19/30	.010	.070
2116/19	M16878/4BJE-X	16	19/29	.010	.077
2114/19	M16878/4BKE-X	14	19/27	.012	.094
2112/19	M16878/4BLE-X	12	19/25	.012	.113
2110/19	M16878/4BMG-X	10	37/26	.012	.134

NOTE: AWG 16-10 must be surface marked to comply with UL, please specify when ordering

**MIL-W-16878/4  
SOLID CONDUCTOR  
TYPE E-600V**

(PASSES UL VW-1 FLAME TEST)

**1213**



**DESCRIPTION:**

Solid, Silver Plated Copper, Extruded TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating:  
MIL-W-16878: -60°C to +200°C  
UL 1213: +105°C
- Voltage Rating:  
MIL-W-16878: 600 Volts  
UL 1213: Not Rated

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

**X Denotes 0-9 color coding Standard Put-Ups: 100 ft., 1000 ft.**

\*DuPont's Registered Trademark

\*\*STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**MIL-W-22759/9  
1000V**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Silver Plated Copper,  
Extruded TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating: -60°C to +200°C
- Voltage Rating: 1000 Volts
- Printed with Military Part Number & Manufacturer's Code Identification.

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2726/19	M22759/9-26-X	26	19/38	.015	.048
2724/19	M22759/9-24-X	24	19/36	.015	.053
2722/19	M22759/9-22-X	22	19/34	.015	.060
2720/19	M22759/9-20-X	20	19/32	.015	.068
2718/19	M22759/9-18-X	18	19/30	.016	.078
2716/19	M22759/9-16-X	16	19/29	.016	.085
2714/19	M22759/9-14-X	14	19/27	.017	.100
2712/19	M22759/9-12-X	12	19/25	.017	.120
2710	M22759/9-10-X	10	37/26	.017	.141

**MIL-W-16878/5  
MIL-W-16878/22  
MIL-W-16878/34  
TYPE EE-1000V**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Silver Plated Copper,  
Extruded or Taped TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating:  
MIL-W-16878: -60°C to +200°C  
UL 1180: +200°C
- Voltage Rating:  
MIL-W-16878: 1000 Volts  
UL 1180: 300 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2224	M16878/5BEB - X	24	7/32	.015	.054
2224/19	M16878/5BEE - X	24	19/36	.015	.055
2222	M16878/5BFB - X	22	7/30	.015	.060
2222/19	M16878/5BFE - X	22	19/34	.015	.062
2220	M16878/5BGB - X	20	7/28	.015	.068
2220/19	M16878/5BGE - X	20	19/32	.015	.070
2218/19	M16878/5BHE - X	18	19/30	.015	.080
2216/19	M16878/5BJE - X	16	19/29	.015	.089
2214/19	M16878/5BKE - X	14	19/27	.017	.106
2212/19	M16878/5BLE - X	12	19/25	.017	.124
2210	M16878/5BMG-X	10	37/26	.017	.145
*2208	M16878/22BNL-X	8	133/29	.020	.210
*2206	M16878/22BPL-X	6	133/27	.020	.252
*2204	M16878/34BRL-X	4	133/25	.020	.315

NOTE: 2220/19 - 2224 Dual rated to UL 1180. For UL & CSA approved wire - See Page 10.

\*Taped Jacket

Standard Put-Ups: 100 ft., 1000 ft.

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

X Denotes 0-9 color coding

\* DuPont's Registered Trademark \*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**MIL-W-16878/6  
TYPE ET - 250V**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Stranded Silver Plated Copper,  
Extruded TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating: -60°C to +200°C
- Voltage Rating: 250 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2332	M16878/6BAB-X	32	7/40	.006	.021
2330	M16878/6BBB-X	30	7/38	.006	.024
2328	M16878/6BCB-X	28	7/36	.006	.027
2328/19	M16878/6BCE-X	28	19/40	.006	.027
2326	M16878/6BDB-X	26	7/34	.006	.031
2326/19	M16878/6BDE-X	26	19/38	.006	.032
2324	M16878/6BEB-X	24	7/32	.006	.036
2324/19	M16878/6BEE-X	24	19/36	.006	.037
2322	M16878/6BFB-X	22	7/30	.006	.042
2322/19	M16878/6BFE-X	22	19/34	.006	.044
2320/19	M16878/6BGE-X	20	19/32	.006	.050

Standard Put-Ups: 100 ft., 1000 ft. \*DuPont's Registered Trademark

**MIL-W-16878/6  
SOLID CONDUCTOR  
TYPE ET-250V**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Solid Silver Plated Copper,  
Extruded TFE "Teflon" Insulation

**CHARACTERISTICS:**

- Temperature Rating: -60°C to +200°C
- Voltage Rating: 250 Volts

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2932	M16878/6BAA-X	32	Solid	.006	.019
2930	M16878/6BBA-X	30	Solid	.006	.022
2928	M16878/6BCA-X	28	Solid	.006	.025
2926	M16878/6BDA-X	26	Solid	.006	.028
2924	M16878/6BEA-X	24	Solid	.006	.032

Standard Put-Ups: 100 ft., 1000 ft. \*DuPont's Registered Trademark

**†KYNAR INSULATED  
UL 1423  
SOLID CONDUCTOR**

(PASSES UL VW-1 FLAME TEST)



**DESCRIPTION:**

Solid Silver-Plated, Oxygen-Free,  
High Conductivity (OFHC) Copper Conductor,  
†Kynar Insulation.

**CHARACTERISTICS:**

- Temperature Rating: +125°C  
(UL Rated at 105°C)
- High Cut-thru and Abrasion Resistance

WEICO NO.	SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
2030	30	Solid	.005	.019
2028	28	Solid	.005	.023
2026	26	Solid	.005	.026
2024	24	Solid	.005	.030

Standard Put-Ups: 1000 ft. †Registered Trademark of Pennwalt

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

X Denotes 0-9 color coding

\*\*STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.





# HOOK-UP WIRE CROSS LINKED

## MIL-W-22759/32 CROSS-LINKED ETFE

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
2530	M22759/32-30-X	30	7/38	.024
2528	M22759/32-28-X	28	7/36	.027
2526/19	M22759/32-26-X	26	19/38	.032
2524/19	M22759/32-24-X	24	19/36	.037
2522/19	M22759/32-22-X	22	19/34	.043
2520/19	M22759/32-20-X	20	19/32	.050
2518/19	M22759/32-18-X	18	19/30	.060
2516/19	M22759/32-16-X	16	19/29	.068
2514/19	M22759/32-14-X	14	19/27	.085
2512/37	M22759/32-12-X	12	37/28	.103



### DESCRIPTION:

Stranded, Tinned Copper, Color Coded Irradiation Cross-Linked Extruded Modified Ethylene Tetrafluoroethylene Copolymer (ETFE) Insulation.

### CHARACTERISTICS:

- Temperature Rating: 150°C
- Voltage Rating: 600 Volts



# HOOK-UP WIRE CROSS LINKED

## MIL-W-22759/16 CROSS-LINKED ETFE

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
4324/19	M22759/16-24-X	24	19/36	.010	.045
4322/19	M22759/16-22-X	22	19/24	.010	.052
4320/19	M22759/16-20-X	20	19/32	.010	.060
4318/19	M22759/16-18-X	18	19/30	.010	.071
4316/19	M22759/16-16-X	16	19/29	.010	.079
4314/19	M22759/16-14-X	14	19/27	.010	.093
4312/19	M22759/16-12-X	12	19/28	.010	.114
4310/19	M22759/16-10-X	10	19/26	.010	.139
4308/19	M22759/16-08-X	08	133/29	.010	.199



### DESCRIPTION:

Stranded, Tinned Copper, Color Coded Irradiation Cross-Linked Extruded Ethylene Tetrafluoroethylene Copolymer (ETFE) Insulation.

### CHARACTERISTICS:

- Temperature Rating: -55°C to +150°C
- Voltage Rating: 600 Volts

## MIL-W-81044/12 CROSS-LINKED POLYALKENE PVF

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. O.D. (INCHES)
9898	M81044/12-28-X	28	7/36	.032
9897	M81044/12-26-X	26	19/38	.036
9896	M81044/12-24-X	24	19/36	.042
9895	M81044/12-22-X	22	19/34	.049
9894	M81044/12-20-X	20	19/32	.057
9893	M81044/12-18-X	18	19/30	.067
9892	M81044/12-16-X	16	19/29	.075
9891	M81044/12-14-X	14	19/27	.093
9890	M81044/12-12-X	12	37/28	.112



### DESCRIPTION:

Stranded Tinned Copper, Color Coded Irradiation Cross-Linked Extruded Polyalkene with Clear Irradiation Cross-Linked Extruded Polyvinylidene Fluoride (PVF) Jacket.

### CHARACTERISTICS:

- Temperature Rating: 150°C
- Voltage Rating: 600 Volts

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

Standard Put-Ups: 100 ft., 1000 ft .

X Denotes 0-9 color coding

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

## MIL-W-22759/33 CROSS-LINKED EFTE

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1728	M22759/33-28-X	28	7/36	.006	.027
1726/19	M22759/33-26-X	26	19/38	.006	.032
1724/19	M22759/33-24-X	24	19/36	.006	.037



### DESCRIPTION:

Stranded Silver-Plated High Strength Copper Alloy, Color Coded Irradiation Cross-Linked Extruded Ethylene Tetrafluoroethylene-Copolymer (EFTE).

### CHARACTERISTICS:

- Temperature Rating: 200°C
- Voltage Rating: 600 Volts

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

Standard Put-Ups: 100 ft., 1000 ft .

X Denotes 0-9 color coding

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**MIL-W-22759/34  
CROSS-LINKED  
ETFE**

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
1824/19	M22759/34-24-X	24	19/36	.010	.045
1822/19	M22759/34-22-X	22	19/24	.010	.050
1820/19	M22759/34-20-X	20	19/32	.010	.058
1818/19	M22759/34-18-X	18	19/30	.010	.070


**DESCRIPTION:**

Stranded, Tinned Copper, Color Coded  
Dual layer of Irradiation Cross-Linked  
Extruded Ethylene Tetrafluoroethylene  
Copolymer (ETFE) Insulation.

**CHARACTERISTICS:**

- Temperature Rating: -55°C to +150°C
- Voltage Rating: 600 Volts

**MIL-W-22759/44  
CROSS-LINKED  
EFTE**

WEICO NO.	MILITARY NO.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICKNESS	NOM. O.D. (INCHES)
3426/19	M22759/44-26-X	26	19/38	.006	.032
3424/19	M22759/44-24-X	24	19/36	.006	.037
3422/19	M22759/44-22-X	22	19/34	.006	.043
3420/19	M22759/44-20-X	20	19/32	.006	.050


**DESCRIPTION:**

Stranded Silver-Plated Copper, Color  
Coded Cross-Linked Extruded Ethylene  
Tetrafluoroethylene Copolymer (EFTE).

**CHARACTERISTICS:**

- Temperature Rating: 200°C
- Voltage Rating: 600 Volts

**COLORS:** 0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray Stripes\*\*  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White

Standard Put-Ups: 100 ft., 1000 ft .

**X Denotes 0-9 color coding**

\*\* STRIPES: Any of the above colors are available in any combination of stripes up to a maximum of three stripes.

**MULTIPAIR UNSHIELDED  
80°C-300V-PVC  
22 AND 18 GAUGE**

**SPECIFICATIONS:**


- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified CMG

**DESCRIPTION:**

Each Conductor Solid or Stranded Tinned  
Copper, Color Coded Polyvinylchloride  
Insulation. Conductors Twisted into Pairs,  
Gray Polyvinylchloride Jacket Overall.

**22 AWG-SOLID CONDUCTORS NOM. INS. THICKNESS .010**

WEICO NO.	NO. OF PAIRS	NO. OF COND.	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
7102	1	2	.032	.150
7104	2	4	.032	.209
7106	3	6	.032	.244
7108	4	8	.032	.259
7110	5	10	.035	.297
7112	6	12	.035	.305
7118	9	18	.037	.354
7122	11	22	.037	.369
7126	13	26	.037	.394
7130	15	30	.040	.405
7132	16	32	.040	.425
7138	19	38	.040	.430
7146	23	46	.040	.495
7154	27	54	.045	.535

**22 AWG (7/30)-STRANDED CONDUCTORS NOM. INS. THICKNESS .010**

7002	1	2	.032	.165
7004	2	4	.032	.238
7006	3	6	.032	.284
7008	4	8	.032	.299
7010	5	10	.032	.304
7012	6	12	.035	.320
7018	9	18	.037	.389
7022	11	22	.035	.400
7024	12	24	.040	.425
7030	15	30	.040	.440
7038	19	38	.040	.505
7046	23	46	.045	.555
7054	27	54	.045	.580
7054/51	51	102	.045	.800

**18 AWG (16/30)-STRANDED CONDUCTORS NOM. INS. THICKNESS .016**

7202	1	2	.032	.222
7204	2	4	.035	.325
7206	3	6	.037	.342
7208	4	8	.040	.358
7210	5	10	.050	.416
7212	6	12	.050	.475
7216	8	16	.050	.510
7218	9	18	.055	.560
7224	12	24	.055	.625
7230	15	30	.060	.710
7238	19	38	.070	.765
7254	27	54	.070	.900

**COLOR CODE:** Chart B page 50



# COMMUNICATION AND CONTROL CABLE

## MULTICONDUCTOR UNSHIELDED 80°C-300V - PVC



### SPECIFICATIONS:



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride Insulation, Gray Polyvinylchloride Jacket Overall.

MULTI-CONDUCTOR 22-AWG (7/30) NOM. INS. THICKNESS .010			
WEICO NO.	NO. OF COND.	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
4002	2	.032	.164
4003	3	.032	.169
4004	4	.032	.194
4005	5	.032	.199
4006	6	.032	.209
4007	7	.032	.214
4008	8	.032	.224
4009	9	.032	.249
4010	10	.032	.259
4012	12	.032	.279
4015	15	.032	.304
4020	20	.032	.324
4025	25	.032	.364
4030	30	.032	.379
4040	40	.032	.439
4050	50	.035	.500
4060	60	.035	.530

COLOR CODE: Chart C page 50

## MULTICONDUCTOR UNSHIELDED 80°C-300V - PVC



### SPECIFICATIONS:



- UL Listed, NEC Type CM or CL2 (see table), 75°C
- UL AWM Style 2095, 80°C, 300 Volts
- CSA Certified PCC FT-4

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride Insulation, Gray Polyvinylchloride Jacket Overall.

MULTI-CONDUCTOR: NOM. INSULATION THICKNESS .016						
WEICO NO.	NO. OF COND.	CONDUCTOR AWG	CONDUCTOR STRAND	NOM. JACKET THICKNESS (INCHES)	UL NEC RATING	NOM. O.D. (INCHES)
4002/20	2	20	10/30	.020	CL2	.180
4003/20	3	20	10/30	.020	CL2	.190
4004/20	4	20	10/30	.020	CL2	.215
4005/20	5	20	10/30	.020	CL2	.233
4006/20	6	20	10/30	.020	CL2	.255
4007/20	7	20	10/30	.020	CL2	.255
4008/20	8	20	10/30	.020	CL2	.270
4009/20	9	20	10/30	.020	CL2	.300
4010/20	10	20	10/30	.020	CL2	.335
4012/20	12	20	10/30	.020	CL2	.350
4015/20	15	20	10/30	.030	CL2	.395
4002/18	2	18	16/30	.020	CM	.200
4003/18	3	18	16/30	.020	CM	.210
4004/18	4	18	16/30	.020	CM	.240
4005/18	5	18	16/30	.020	CM	.262
4006/18	6	18	16/30	.020	CM	.290
4007/18	7	18	16/30	.020	CM	.286
4008/18	8	18	16/30	.025	CM	.315
4009/18	9	18	16/30	.025	CM	.346
4010/18	10	18	16/30	.025	CM	.370
4012/18	12	18	16/30	.025	CM	.385
4015/18	15	18	16/30	.030	CM	.445
4019/18	19	18	16/30	.030	CM	.470
4025/18	25	18	16/30	.035	CM	.558
4002/16	2	16	26/30	.020	CL2	.225
4003/16	3	16	26/30	.020	CL2	.245
4004/16	4	16	26/30	.020	CL2	.270

COLOR CODE: Chart C page 50

Standard Put-Ups: 100 ft., 500 ft., 1000 ft.



# COMMUNICATION AND CONTROL CABLE

## MULTICONDUCTOR UNSHIELDED 80°C-300V - PVC



### SPECIFICATIONS:



- UL Listed, NEC Type CM, 75°C
- UL AWM STYLE 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4
- OSHA Acceptable

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride Insulation Clear .001" Mylar Tape Wrap, Gray Polyvinylchloride Jacket Overall.

MULTI-CONDUCTOR 22-AWG (7/30) NOM. INS. THICKNESS .010			
WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
4102	2	.032	.170
4103	3	.032	.180
4104	4	.032	.195
4106	6	.032	.225
4108	8	.032	.240
4110	10	.032	.270
4115	15	.032	.300
4120	20	.032	.340
4125	25	.032	.375
4130	30	.032	.400
4140	40	.032	.445
4150	50	.032	.485
4160	60	.032	.525

COLOR CODE: Chart F page 51

## MULTICONDUCTOR FOIL SHIELD 60°C-PE/PVC-300V



### SPECIFICATIONS:



- UL Listed, NEC Type CM or CL2 (see table), 75°C
- UL AWM Style 2092, 2093, 2094\*, 60°C, 300 Volts

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyethylene Insulation, Wrapped Aluminum Foil Shield, Tinned Copper Drain Wire, Gray Polyvinylchloride Jacket Overall.

WEICO NO.	NO. OF COND.	CONDUCTOR AWG	CONDUCTOR STRAND	NOM. INS. THICKNESS (INCHES)	NOM. WALL THICKNESS (INCHES)	NOM. O.D. (INCHES)	UL NEC RATING	COND. COLOR CODE
9201	2	24	7/32	.016	.020	.160	CM	1,3
9202	2	22	7/30	.016	.020	.170	CM	1,3
9203	2	22	7/30	.016	.020	.170	CM	1,2
9204	3	22	7/30	.016	.020	.185	CM	1,2,3
9205	4	22	7/30	.016	.020	.210	CM	1,2,3,4
9206	2	20	10/30	.016	.020	.186	CL2	1,3
9207	2	20	10/30	.016	.020	.186	CL2	1,2
9208	3	20	10/30	.016	.020	.205	CL2	1,2,3
9209	4	20	10/30	.016	.020	.225	CL2	1,2,3,4
9210	2	18	16/30	.016	.020	.210	CM	1,3
9211	2	18	16/30	.016	.020	.210	CM	1,2
9212	3	18	16/30	.016	.020	.230	CM	1,2,3
9214	4	18	16/30	.016	.020	.255	CM	1,2,3,4
9215	2	16	26/30	.016	.020	.245	CL2	1,2
9216	3	16	26/30	.016	.020	.270	CL2	1,2,3

\*2 Cond.-UL 2092, 3 Cond.-UL 2093, 4 Cond.-UL 2094

COLOR CODE: 1= Black 2= Red 3= Clear 4= Green

## MULTICONDUCTOR FOIL SHIELD 105°C-PP/PVC-200V



### DESCRIPTION:

Stranded or Solid Tinned Copper Conductors, Color Coded Polypropylene (PP) Insulation, Aluminum Foil Shield, Tinned Copper Drain Wire, Gray Polyvinylchloride Jacket Overall.

### CHARACTERISTICS:

- Temperature Range: -20°C to +105°C
- Voltage Rating: 200 Volts

Insulation Thickness 0.008"					
WEICO NO.	NO. OF COND.	CONDUCTOR AWG	CONDUCTOR STRAND	JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
9217	2	22	Solid	.018	0.120
9218	2	22	7/30	.020	0.130

COLOR CODE: 1= Black 2= Red

Standard Put-Ups: 100 ft., 500 ft., 1000 ft.

## INDIVIDUALLY FOIL SHIELDED PAIRS 75°C - POLYPROPYLENE INSULATED



### SPECIFICATIONS:



- UL Listed, NEC Type CM, 75°C
- CSA Certified PCC FT-4
- Suggested working voltage - 300 Volts

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polypropylene Insulated, Twisted into Pairs (Black with Red and Green with White). Each Pair Aluminum Foil Shielded with Stranded Tinned Copper Common Drain Wire, Gray Polyvinylchloride Jacket Overall.

#### 22 – STRANDED (7/30)

WEICO NO.	NO. OF PAIRS	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
8004	2	4	.020	.165

## INDIVIDUALLY FOIL SHIELDED PAIRS 80°C - PE/PVC



### SPECIFICATIONS:



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2919, 80°C, 30 Volts
- CSA Certified PCC FT-1
- Suggested working voltage for non UL applications:  
22 AWG - 300 Volts  
18 AWG - 400 Volts

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyethylene Insulation Twisted into Pairs. Each Pair Aluminum Foil Shielded, Stranded Tinned Copper Drain Wire, Gray Polyvinylchloride Jacket Overall.

#### #22-SOLID NOM. INS. THICKNESS .013"

WEICO NO.	NO. OF PAIRS	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
8106	3	6	.037	.279
8112	6	12	.037	.379
8118	9	18	.040	.425
8122	11	22	.040	.470
8130	15	30	.045	.525

#### #22-STRANDED (7/30) NOM. INS. THICKNESS .010"

WEICO NO.	NO. OF PAIRS	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
8006	3	6	.048	.301
8012	6	12	.048	.401
8018	9	18	.048	.443
8022	11	22	.048	.486
8024	12	24	.048	.486
8030	15	30	.065	.580
8034	17	34	.065	.615
8038	19	38	.065	.625
8054	27	54	.070	.745

#### #18-STRANDED (16/30) NOM. INS. THICKNESS .016"

WEICO NO.	NO. OF PAIRS	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
8006/18	3	6	.048	.398
8012/18	6	12	.065	.570
8018/18	9	18	.065	.655
8024/18	12	24	.070	.750
8030/18	15	30	.070	.820

COLOR CODE: Chart B page 50

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.

## MULTICONDUCTOR OVERALL FOIL SHIELD 300V-24 GAUGE



### SPECIFICATIONS:



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride Insulation, Conductors Twisted, Aluminum Foil Shield, Stranded Tinned Copper Drain Wire, Gray Polyvinylchloride Jacket Overall.

#### #24-STRANDED (7/32) NOM. INS. THICKNESS .010"

WEICO NO.	NO. OF CONDUCTORS	COLOR CODE	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
7503	3	D	.035	.168
7504	4	D	.035	.190
7505	5	D	.035	.195
7506	6	D	.035	.215
7507	7	D	.035	.215
7508	8	D	.035	.220
7509	9	D	.035	.250
7510	10	D	.035	.250
7515	15	E	.035	.280
7520	20	E	.035	.320
7525	25	E	.040	.360
7530	30	E	.040	.380
7540	40	E	.040	.430
7550	50	E	.045	.490

COLOR CODE: Charts page 50

## MULTIPAIR OVERALL FOIL SHIELD 300V-24 GAUGE



### SPECIFICATIONS:



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4

### DESCRIPTION:

Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride Insulation, Conductors Twisted into Pairs, Aluminum Foil Shielded, Tinned Copper Drain Wire, Gray Polyvinylchloride Jacket Overall.

#### #24-STRANDED (7/32) NOM. INS. THICKNESS .010"

WEICO NO.	NO. OF PAIRS	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
7302	1	2	.032	.156
7304	2	4	.032	.222
7306	3	6	.032	.232
7308	4	8	.032	.265
7310	5	10	.035	.295
7312	6	12	.035	.295
7314	7	14	.035	.300
7316	8	16	.035	.330
7318	9	18	.035	.340
7320	10	20	.040	.380
7330	15	30	.040	.425
7338	19	38	.040	.460
7350	25	50	.045	.515
7300*	50	100	.050	.700

COLOR CODE: Chart B page 50

\*CONSULT FACTORY FOR COLOR CODE.

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.

**MULTICONDUCTOR  
OVERALL FOIL SHIELD  
300V-22 GAUGE**



**SPECIFICATIONS**



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4
- OSHA Acceptable

**DESCRIPTION:**

Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride (UL Style 1061) Insulation, Aluminum Foil Shield, Stranded Tinned Copper Drain Wire, Nylon Rip Cord for Ease of Jacket Stripping, Gray Polyvinylchloride Jacket Overall.

**22 AWG (7/30) Insulation Thickness .010"**

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
7602	2	.032	.180
7603	3	.032	.190
7604	4	.032	.210
7606	6	.032	.230
7608	8	.032	.260
7610	10	.032	.280
7615	15	.032	.320
7620	20	.032	.350
7625	25	.032	.380
7630	30	.032	.410
7640	40	.032	.460
7650	50	.032	.500
7660	60	.032	.540
7670	70	.053	.620
7680	80	.053	.650
7690	90	.053	.690
7600	100	.053	.720

**COLOR CODE:** Chart F page 51

**MULTIPAIR  
OVERALL FOIL SHIELD  
300V-22 GAUGE**



**SPECIFICATIONS:**



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4
- OSHA Acceptable

**DESCRIPTION:**

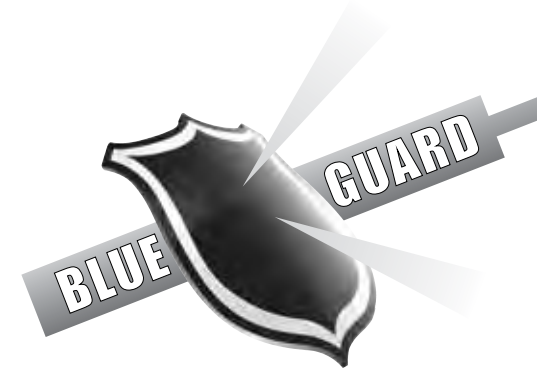
Stranded Tinned Copper Conductors, Color Coded Polyvinylchloride (UL Style 1061) Insulation, Twisted into Pairs, Aluminum Shield, Stranded Tinned Copper Drain Wire, Nylon Rip Cord for Ease of Jacket Stripping, Gray Polyvinylchloride Jacket Overall.

**22 AWG (7/30) INSULATION THICKNESS .010"**

WEICO NO.	NO. OF PAIRS	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
7702	1	2	.032	.180
7704	2	4	.032	.230
7706	3	6	.032	.260
7708	4	8	.032	.280
7710	5	10	.032	.310
7712	6	12	.032	.330
7718	9	18	.032	.380
7722	11	22	.032	.410
7730	15	30	.032	.460
7738	19	38	.032	.500
7754	27	54	.053	.610
7701	51	102	.083	.860

**COLOR CODE:** Chart G page 51

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.



**MULTICONDUCTOR  
OVERALL FOIL SHIELD  
BLUE GUARD JACKET  
80°C - 300V**



**SPECIFICATIONS:**



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4

**DESCRIPTION:**

Stranded Tinned Copper Conductors, Color Coded Premium Polyvinylchloride Insulation, Aluminum Foil Shield (100% Coverage), Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors, Nylon Rip Cord for Ease of Jacket Stripping, Premium Pale Blue UV Resistant Polyvinylchloride Jacket Overall.

**BLUE GUARD:**

Weico's Blue Guard Cables are Manufactured Using Proprietary Techniques To Create A Jacket That Is Highly Resistant To The Degrading Effects Of Ultraviolet Radiation. They Resist Cracking, Premature Aging And Discoloration Normally Associated With Exposure To UV Radiation. The Jacket is a Pale Blue For Easy Identification And It Is Also Printed UV Resistant. Blue Guard Is The Ideal Choice For Your UV Applications.

**UV RESISTANT**

**18 AWG (16/30) Stranded Conductors**

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
8602/18	2	.032	.230
8603/18	3	.032	.240
8604/18	4	.032	.260
8606/18	6	.032	.310
8608/18	8	.032	.330
8610/18	10	.032	.390
8615/18	15	.032	.450
8620/18	20	.032	.510
8625/18	25	.053	.560

**16 AWG (19/29) Stranded Conductors**

8602/16	2	.032	.250
8603/16	3	.032	.270
8604/16	4	.032	.290
8606/16	6	.032	.350
8608/16	8	.032	.380
8610/16	10	.032	.440
8615/16	15	.032	.490
8620/16	20	.053	.590

**COLOR CODE:** Chart C page 50

**MULTICONDUCTOR SPIRAL SHIELD 80°C-300V-PVC**



**SPECIFICATIONS:**



- UL Listed, NEC Type CM or CL2 (see table), 75°C
- UL AWM Style 2095, 80°C, 300 Volts
- CSA Certified PCC FT-4

**DESCRIPTION:**

Each Conductor Stranded or Solid Tinned Copper, Color Coded Polyvinylchloride Insulation, Spiral Wrapped Bare Copper Shield 95% Shield Coverage. Nom. .020" Gray Polyvinylchloride Jacket Overall.

**COLOR CODE:** 1 = Black 3 = White 5 = Yellow  
2 = Red 4 = Green 6 = Blue

WEICO NO.	NO. OF COND.	CONDUCTOR AWG	CONDUCTOR STRAND	NOM. INS. THICKNESS (INCHES)	UL NEC RATING	NOM.O.D. (INCHES)
9301	2	22	Solid	.016	CM	.170
9302	1	22	7/30	.016	*	.115
9303	2	22	7/30	.016	CM	.175
9304	3	22	7/30	.016	CM	.190
9305	4	22	7/30	.016	CM	.200
9306	6	22	7/30	.016	CM	.235
9307	1	20	10/30	.016	*	.130
9308	2	20	10/30	.016	CL2	.195
9309	3	20	10/30	.016	CL2	.210
9310	4	20	10/30	.016	CL2	.225
9311	6	20	10/30	.016	CL2	.265
9312	1	18	16/30	.016	*	.135
9314	2	18	16/30	.016	CM	.230
9315	3	18	16/30	.016	CM	.235
9316	4	18	16/30	.016	CM	.245
9317	2	16	26/30	.016	CL2	.240
9318	3	16	26/30	.016	CL2	.245
9319	2	14	41/30	.020	CL2	.285
9320	3	14	41/30	.020	CL2	.290

\* Single Conductor Cables UL AWM Style 1108, 80°C, 300V, VW-1.

**MII-W-16878 TYPE BN CONDUCTORS NOMINAL INS. THICKNESS-.010"-NOMINAL NYLON THICKNESS .003"**

**MULTICONDUCTOR BRAIDED SHIELD 105°C-PVC/NYLON-600V MIL-W-16878 TYPE BN**



**DESCRIPTION:**

Each Conductor Stranded Tinned Copper, .010" Polyvinylchloride Insulation, Color Coded, Clear Nylon (Polyamide) Jacket, Conductors Cabled, Braided Tinned Copper Shield 90% Coverage, Gray Polyvinylchloride Jacket Overall.

**CHARACTERISTICS:**

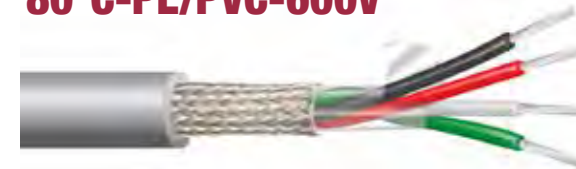
- Temperature Rating: -55°C to +105°C
- Voltage Rating: 600 Volts

**COLOR CODE:** 1 = White 2 = Black  
3 = Red 4 = Green

WEICO NO.	NO. OF COND.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. JKT. THICKNESS (INCHES)	NOM.O.D. (INCHES)
6126	1	26	7/34	.010	.087
6226	2	26	7/34	.014	.138
6326	3	26	7/34	.014	.142
6426	4	26	7/34	.016	.162
6124	1	24	19/36	.010	.092
6224	2	24	19/36	.016	.152
6324	3	24	19/36	.016	.161
6424	4	24	19/36	.017	.172
6122	1	22	19/34	.010	.100
6222	2	22	19/34	.016	.168
6322	3	22	19/34	.017	.178
6422	4	22	19/34	.019	.194
6120	1	20	19/32	.010	.106
6220	2	20	19/32	.019	.186
6320	3	20	19/32	.019	.196
6420	4	20	19/32	.021	.218
6118	1	18	19/30	.012	.120
6218	2	18	19/30	.021	.210
6318	3	18	19/30	.022	.227
6418	4	18	19/30	.023	.250
6116	1	16	19/29	.016	.137
6216	2	16	19/29	.023	.236
6316	3	16	19/29	.023	.240
6416	4	16	19/29	.025	.274

**STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.**

**MULTICONDUCTOR BRAIDED SHIELD 80°C-PE/PVC-600V**



**DESCRIPTION:**

Each Conductor Stranded Tinned Copper, Color Coded Polyethylene Insulation, Cabled with Fillers Where Necessary, Mylar Wrap, Braided Tinned Copper Shield, Gray Polyvinylchloride Jacket Overall.

**CHARACTERISTICS:**

- Temperature Range: -20°C to +80°C
- Suggested Working Voltage: 600 Volts

**20 AWG-26/34 STRANDED CONDUCTOR-NOMINAL INS. THICKNESS .015"**

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM.O.D. (INCHES)
9401	2	.030	.245
9402	3	.035	.250
9403	4	.035	.260
9404	5	.035	.275
9405	6	.035	.300
9406	8	.035	.330
9407	10	.035	.375
9408	12	.035	.380
9409	15	.035	.410
9410	20	.035	.455

**COLOR CODE:** Chart A page 50

**MULTICONDUCTOR BRAIDED SHIELD 80°C-300V**



**SPECIFICATIONS:**



- UL Listed, NEC Type CM or CL2 (see table), 75°C
- UL AWM Style 2095, 80°C, 300 Volts
- CSA Certified PCC FT-4

**DESCRIPTION:**

Each Conductor Stranded Tinned Copper, Color Coded Polyvinylchloride Insulated, Tinned Copper Braided Shield, Gray Polyvinylchloride Jacket Overall.

**INSULATION THICKNESS .016"**

WEICO NO.	NO. OF CONDUCTORS	CONDUCTOR AWG	CONDUCTOR STRAND	NOM. JACKET THICKNESS (INCHES)	UL NEC RATING	NOM.O.D. (INCHES)
9450	1	22	7/30	.020	*	.120
9451	2	22	7/30	.020	CM	.180
9452	3	22	7/30	.020	CM	.200
9453	4	22	7/30	.020	CM	.210
9454	1	20	10/30	.020	*	.130
9455	2	20	10/30	.020	CL2	.200
9456	3	20	10/30	.020	CL2	.220
9457	4	20	10/30	.020	CL2	.230
9458	1	18	16/30	.020	*	.140
9459	2	18	16/30	.020	CM	.230
9460	3	18	16/30	.020	CM	.240
9461	4	18	16/30	.020	CM	.250
9462	2	16	26/30	.020	CL2	.250
9463	3	16	26/30	.020	CL2	.250

**COLOR CODE:** Chart C page 50

\* Single Conductor Cables UL AWM Style 1108, 80°C, 300V, VW-1.

**STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.**

**MAGNA Shield**

**MULTICONDUCTOR  
MAGNASHIELD  
80°C-300V**



**SPECIFICATIONS:**



- UL Listed, NEC Type CM, 75°C
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4
- OSHA Acceptable
- Meets FCC Docket 20780
- MIL-STD 461 and 462B and Tempest.

**DESCRIPTION:**

Each Conductor Stranded Tinned Copper, Color Coded Polyvinylchloride Insulation, MAGNASHIELD (Aluminum Foil/ Polyester/ Aluminum Foil with Drain Wire and Tinned Copper Braid) Nylon Rip Cord for Ease of Jacket Stripping, Gray Polyvinylchloride Jacket Overall.

**COLOR CODE:** 22 AWG - Chart F page 51  
18 & 16 AWG - Chart C page 50

**STANDARD PUT-UPS:** 100 FT., 500 FT., 1000 FT.

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM.O.D. (INCHES)
<b>#24 STRANDED (7/32) NOM. INS. THICKNESS .010"</b>			
9103/24	3	.032	.190
9104/24	4	.032	.200
9105/24	5	.032	.215
9106/24	6	.032	.225
9107/24	7	.032	.225
9108/24	8	.032	.240
9109/24	9	.032	.253
9110/24	10	.053	.270
9115/24	15	.032	.300
9125/24	25	.032	.370
9137/24	37	.032	.411
9150/24	50	.053	.485
<b>#22 STRANDED (7/30) NOM. INS. THICKNESS .010"</b>			
9102	2	.032	.190
9103	3	.032	.200
9104	4	.032	.215
9106	6	.032	.245
9108	8	.032	.255
9110	10	.032	.290
9115	15	.032	.330
9120	20	.032	.360
9125	25	.032	.400
9130	30	.032	.420
9140	40	.032	.465
9150	50	.032	.510
9160	60	.032	.560
9170	70	.050	.635
9180	80	.050	.660
9190	90	.050	.690
9100	100	.050	.745
<b>#18 STRANDED (16/30) NOM. INS. THICKNESS .017"</b>			
9102/18	2	.032	.250
9103/18	3	.032	.280
9104/18	4	.032	.310
9106/18	6	.032	.350
9108/18	8	.032	.380
9110/18	10	.032	.410
9115/18	15	.032	.480
9120/18	20	.032	.530
9125/18	25	.053	.620
<b>#16 STRANDED (19/29) NOM. INS. THICKNESS .017"</b>			
9102/16	2	.032	.280
9103/16	3	.032	.320
9104/16	4	.032	.340
9106/16	6	.032	.390
9108/16	8	.032	.430
9110/16	10	.032	.470
9115/16	15	.032	.550
9120/16	20	.053	.650
9125/16	25	.053	.710

**MAGNA Shield**  
THE MINIATURE SERIES

**MULTICONDUCTOR  
MAGNASHIELD  
80°C-300V**



**SPECIFICATIONS:**



- UL Listed, NEC Type CL-2, 75°C, 150 Volts
- UL AWM Style 2464, 80°C, 300 Volts
- CSA Certified PCC FT-4
- Meets FCC Docket 20780
- MIL-STD 461 and MIL STD 462B and Tempest.

**DESCRIPTION:**

Each Conductor Stranded Tinned Copper, Color Coded Semi-Rigid Polyvinylchloride Insulation, MAGNASHIELD (Aluminum Foil/Polyester/Aluminum Foil with Drain Wire and Tinned Copper Braid), Gray Polyvinylchloride Jacket Overall.

**MULTIPAIR DUAL SHIELD  
LOW CAPACITANCE  
60°C-30V**



**SPECIFICATIONS:**



- UL Listed, NEC Type CL-2
- UL AWM Style 2960, 60°C, 30 Volts
- CSA Certified PCC FT-1
- Nominal Capacitance Between Conductors: 15.5pF/ft.

**DESCRIPTION:**

Each Conductor Stranded Tinned Copper, Color Coded Polyethylene Insulation, Conductors Twisted into Pairs, Aluminum Foil Shield with Drain Wire, Overall Tinned Copper Braid Shield, 90% minimum coverage, Gray Polyvinylchloride Jacket Overall.

**#28 STRANDED (7/36) NOM. INS. THICKNESS .010"**

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM. O.D. (INCHES)
9103/28*	3	.035	.16
9104/28	4	.035	.17
9105/28	5	.035	.18
9106/28	6	.035	.19
9107/28	7	.035	.19
9108/28	8	.035	.21
9109/28	9	.035	.22
9110/28	10	.035	.23
9115/28	15	.035	.26
9125/28	25	.035	.30
9137/28	37	.035	.34
9150/28	50	.035	.40

\* AWM only.

**COLOR CODE:** Chart C page 50

**STANDARD PUT-UPS:** 100 FT., 500 FT., 1000 FT.

**#28 STRANDED (7/36) NOM. INS. THICKNESS .009"**

WEICO NO.	NO. OF PAIRS	NOM. JACKET THICKNESS (INCHES)	NOM.O.D. (INCHES)
8702	2	.035	.214
8703	3	.035	.222
8704	4	.035	.237
8705	5	.035	.240
8707	7	.035	.256
8709	9	.035	.290
8712	12	.035	.319
8713	13	.035	.336
8718	18	.035	.365
8725	25	.035	.429
8731	31	.040	.462

**COLOR CODE:** Chart B page 50

**STANDARD PUT-UPS:** 100 FT., 500 FT., 1000 FT.



# COMMUNICATION AND CONTROL CABLE

## BRAIDED SHIELD \* "TEFLON" (TFE) TAPE WRAPPED JACKET 200°C-600V MIL-W-16878/4 TYPE E



### DESCRIPTION:

Each Conductor Stranded Silver Plated Copper, Type E Extruded .010" TFE "Teflon" Insulation, Color Coded, Cabled, Braided Silver Plated Copper Shield 90% Coverage, Sintered Wrapped White Teflon Tape.

### CHARACTERISTICS:

- Temperature Rating: -65°C to +200°C
- Voltage Rating: 600 Volts

**COLOR CODE:** 1 = White 2 = Black 3 = Red 4 = Green

\* DuPont's Registered Trademark

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.

WEICO NO.	NO. OF COND.	CONDUCTOR SIZE	STRAND	NOM. JKT. (INCHES)	NOM. O.D. AT HIGH POINT (INCHES)	NOM. SHIELD TO COND.	NOM. CAP IN MMF TO COND.
5128/7	1	28	7/36	.010	.079	35	-
5228/7	2	28	7/36	.010	.121	32	18
5126/7	1	26	7/34	.010	.083	40	-
5226/7	2	26	7/34	.010	.129	36	20
5326/7	3	26	7/34	.010	.129	33	19
5126	1	26	19/38	.010	.083	40	-
5226	2	26	19/38	.010	.129	36	20
5326	3	26	19/38	.010	.129	33	19
5426	4	26	19/38	.010	.146	32	18
5124	1	24	19/36	.012	.095	45	-
5224	2	24	19/36	.012	.140	35	25
5324	3	24	19/36	.012	.147	35	20
5424	4	24	19/36	.012	.159	35	20
5122	1	22	19/34	.012	.102	55	-
5222	2	22	19/34	.012	.154	45	25
5322	3	22	19/34	.012	.162	35	25
5422	4	22	19/34	.012	.176	35	25
5120	1	20	19/32	.012	.110	55	-
5220	2	20	19/32	.012	.170	95	25
5320	3	20	19/32	.012	.180	85	25
5420	4	20	19/32	.012	.195	140	30
5118	1	18	19/30	.012	.120	70	-
5218	2	18	19/30	.012	.190	60	35
5318	3	18	19/30	.012	.203	60	35
5418	4	18	19/30	.012	.220	55	35
5116	1	16	19/29	.012	.130	107	-
5216	2	16	19/29	.012	.210	67	25
5316	3	16	19/29	.012	.211	56	30
5416	4	16	19/29	.012	.243	54	29
5114	1	14	19/27	.012	.144	84	-
5214	2	14	19/27	.012	.239	61	34
5314	3	14	19/27	.012	.227	56	31
5112	1	12	19/25	.012	.164	96	-
5212	2	12	19/25	.012	.279	72	40
5312	3	12	19/25	.012	.265	61	34
5412	4	12	19/25	.012	.302	-	-
5110	1	10	37/26	.012	.185	-	-
5210	2	10	37/26	.012	.329	-	-
5310	3	10	37/26	.012	.357	-	-
5410	4	10	37/26	.012	.393	-	-



# COMMUNICATION AND CONTROL CABLE

## MIL-C-27500 AEROSPACE ELECTRONIC CABLE

TYPE RC (MIL-W-22759/11) 06



### APPLICATIONS:

For general aerospace flight vehicle applications. These cables use M22759/11 insulated conductors in their construction. QPL to Mil-W-22759/11 is required on the insulated conductors in these cables.

### SPECIFICATIONS:

**Conductor:** Stranded silver plated copper wire.

### Insulation:

Extruded polytetrafluoroethylene ("Teflon"™ PTFE) in accordance with Mil-W-22759/11.

**Cable:** Up to seven conductors available in cable configuration.

**Shield:** Silver plated copper wire braid, 85% minimum coverage, #38 AWG on core diameters less than 0.060", #36 AWG on 0.060" and larger.

**Jacket:** Taped and fused white polytetrafluoroethylene (PTFE).

**Voltage Rating:** 600V RMS

**Temperature Rating:** -55°C to + 200°C

**Identification:** Marker tape under the shield with cable code and manufacturer's I.D. except single conductor where identification is printed on the conductor insulation.

WEICO NO.	MILITARY NO.	NO. OF COND.	AWG SIZE	STRANDS	INSUL O.D.	APPROX. CABLE O.D.	APPROX. WGT. LBS/1000'
55126	M27500-26RC1S06	1	26	19/38	.038	.081	7.0
55226	M27500-26RC2S06	2	26	19/38	.038	.118	13.5
55326	M27500-26RC3S06	3	26	19/38	.038	.125	16.8
55426	M27500-26RC4S06	4	26	19/38	.038	.135	19.9
55124	M27500-24RC1S06	1	24	19/36	.043	.083	8.2
55224	M27500-24RC2S06	2	24	19/36	.043	.135	15.9
55324	M27500-24RC3S06	3	24	19/36	.043	.140	20.2
55424	M27500-24RC4S06	4	24	19/36	.043	.150	23.8
55122	M27500-22RC1S06	1	22	19/34	.049	.090	9.6
55222	M27500-22RC2S06	2	22	19/34	.049	.145	19.3
55322	M27500-22RC3S06	3	22	19/34	.049	.150	24.9
55422	M27500-22RC4S06	4	22	19/34	.049	.162	29.8
55120	M27500-20RC1S06	1	20	19/32	.058	.098	12.3
55220	M27500-20RC2S06	2	20	19/32	.058	.165	24.5
55320	M27500-20RC3S06	3	20	19/32	.058	.170	32.5
55420	M27500-20RC4S06	4	20	19/32	.058	.190	52.5
55118	M27500-18RC1S06	1	18	19/30	.068	.115	17.5
55218	M27500-18RC2S06	2	18	19/30	.068	.185	31.7
55318	M27500-18RC3S06	3	18	19/30	.068	.195	42.5
55418	M27500-18RC4S06	4	18	19/30	.068	.215	62.8
55116	M27500-16RC1S06	1	16	19/29	.075	.125	20.5
55216	M27500-16RC2S06	2	16	19/29	.075	.200	37.5
55316	M27500-16RC3S06	3	16	19/29	.075	.205	50.5
55416	M27500-16RC4S06	4	16	19/29	.075	.230	66.0
55114	M27500-14RC1S06	1	14	19/27	.090	.140	27.5
55214	M27500-14RC2S06	2	14	19/27	.090	.230	51.2
55314	M27500-14RC3S06	3	14	19/27	.090	.240	70.3
55414	M27500-14RC4S06	4	14	19/27	.090	.265	88.5
55112	M27500-12RC1S06	1	12	19/25	.111	.160	39.0
55212	M27500-12RC2S06	2	12	19/25	.111	.270	74.0
55312	M27500-12RC3S06	3	12	19/25	.111	.285	105.0
55412	M27500-12RC4S06	4	12	19/25	.111	.315	131.0

\*DuPont's Registered Trademark

**COLOR CODE:** 1 = White 2 = White/Blue 3 = White/Orange 4 = White/Green

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.



### MIL-C-17 COAXIAL CABLE (POLY-ETHYLENE DIELECTRIC)



#### MECHANICAL SPECIFICATIONS

#### ELECTRICAL SPECIFICATIONS

WEICO NO.	RG CABLE TYPE	JKT. O.D.	JKT. MAT.	OUTER SHIELD	INNER SHIELD	DIELEC-TRIC O.D.	DIELEC-TRIC MAT.	CENTER COND.	NOM IMPED. (OHMS)	NOM CAP. MMFD/FT.	MAX OPERATING VOLT (RMS)	V.P. O/O
W006A	6A/U	.336	NCV	C	SC	.189	PE	21 CW SOLID	75	20.0	2700	65.9
W008	8/U	.415	V	-	C	.289	PE	13 C 7/21	52	29.5	5000	65.9
W008A	8A/U	.415	NCV	-	C	.295	PE	13 C 7/21	52	29.5	5000	65.9
WL08	8/U	.405	V	TC	ALUM. FOIL	.286	SSP	10 C SOLID	50	24.6	1000	84.0
W011	11/U	.415	V	-	C	.295	PE	18 TC 7/26	75	20.5	5000	65.9
W011A	11A/U	.412	NCV	-	C	.292	PE	18 TC 7/26	75	20.5	5000	65.9
W055B	55B/U	.206	PE	TC	TC	.116	NP	20 SC SOLID	53.5	28.8	1900	66.0
W058	58/U	.200	V	-	TC	.121	PE	20 C SOLID	53.5	28.5	1900	65.9
8918	58/U TYPE	.195	V	-	TC	.116	FPE	20 C SOLID	50	26.0	LOW VOLTAGE APPLICATION	78.0
W058A	58A/U	.199	V	-	TC	.120	PE	20 C 19/33	50	29.5	1900	65.9
W058C	58C/U	.199	NCV	-	TC	.120	PE	20 TC 19/33	50	29.5	1900	65.9
W058Q	58C/U	.195	NCV	-	TC	.116	PE	20 TC 19/33	50	30.8	1900	66.0
M17/28-RG058												
W059	59/U	.250	V	-	C	.150	PE	22 CW SOLID	73	21.0	2300	65.9
W059B	59B/U	.246	NCV	-	C	.150	PE	23 CW SOLID	75	20.5	2300	65.9
W059BD DUAL	59B/U	.242X .504	NCV	-	C	.146	PE	23 CW SOLID	75	20.1	2300	66.0
W059F	59/U TYPE	.242	V	-	C	.146	FPE	22 C 7/30	75	17.3	1500	78.0
W062	62/U	.250	V	-	C	.151	SSP	22 CW SOLID	93	13.5	750	84.0
W062A	62A/U	.249	NCV	-	C	.151	SSP	22 CW SOLID	93	13.5	750	84.0
W062B	62B/U	.242	NCV	-	C	.146	SSP	24 CW 7/32	93	13.5	750	84.0
W063B	63B/U	.415	NCV	-	C	.295	SSP	22 CW SOLID	125	10.0	1000	84.0
W108A	108A/U	.235	NCV	-	TC	.158	PE	20 1 COND TC 7/28 20 1 COND C 7/28	78	19.7	1000	66.0
W174	174/U	.105	NCV	-	TC	.060	PE	26 CW 7/34	50	30.0	1500	65.9
W174A	174A/U	.110	NCV	-	TC	.060	PE	26 CW 7/34	50	30.8	1500	66.0
W213	213/U	.412	NCV	-	C	.292	PE	.0888 C 7/.0296	50	30.5	5000	65.9
W214	214/U	.432	NCV	SC	SC	.292	PE	.0888 SC 7/.0296	50	30.5	5000	65.9
W217	217/U	.555	NCV	C	C	.380	PE	10 C SOLID	50	30.0	7000	65.9
W218	218/U	.880	NCV	-	C	.690	PE	195 C SOLID	50	30.0	11000	65.9
W223	223/U	.216	NCV	SC	SC	.120	PE	19 SC SOLID	50	30.0	1900	65.9
W701	TWINAX	.330	V	-	TC	.228	PE	20 1 COND TC 7/28 20 1 COND C 7/28	100	15.5	LOW VOLTAGE APPLICATION	66.0
W702	-	.150	V	-	TC	.100	PE	27 CW 7/35	75	20.5	2500	66.0
W703	-	.305	PE	TC	TC	.198	PE	20 C SOLID	75	21.0	2700	66.0
8922	TWINAX	.244	V	-	TC	.158	PE	20 1 COND TC 7/28 20 1 COND C 7/28	78	19.7	LOW VOLTAGE APPLICATION	66.0
8929	ETHERNET*	.405	V	ALUM FOIL TC BRAID	ALUM FOIL TC BRAID	.247	FPE	12 C SOLID	50	26.0	300	78.0

\*XEROX TRADEMARK

C - Bare Copper  
TC - Tinned Copper  
SC - Silver Covered Copper  
CW - Copper Covered Steel

FPE - Cellular Polyethylene  
FEP - Fluorinated Ethylene Propylene Type IX  
PTFE - Polytetrafluoroethylene  
FG - Braid V - Fiberglass, Impregnated Type V Per MIL-C-17  
PFA - Perfluoroalkoxy

PE - Solid Polyethylene  
SSP - Semi Solid Polyethylene  
BP - Black Polyethylene-Type IIIA  
NP - Natural Polyethylene-Type III

V - Polyvinylchloride - Type 1  
NCV - Non-Contaminating Polyvinylchloride - Type IIA

All Dimensions Are Max. Except Where Indicated

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.

### MIL-C-17 COAXIAL CABLE (“TEFLON”\*\* DIELECTRIC)



WEICO NO.	MILITARY NO.	RG TYPE	COND.	NOM. WALL THICK	NOM. JKT. THICK	JACKET TYPE	MAX. O.D.	NOM. CAP.	IMPED. OHMS.	MAX. OPER. VOLTAGE
W142B	M17/60RG142	142B/U	1/.039	.039	.012	Extruded FEP	.200	28.5	50±2	1900
W178B	M17/93RG178	178B/U	7/.004	.012	.010	Extruded FEP	.075	27.9	50±2	1000
W179B	M17/94RG179	179B/U	7/.004	.021	.010	Extruded FEP	.105	20.4	75±3	1200
W180B	M17/95RG180	180B/U	7/.004	.045	.010	Extruded FEP	.145	15.3	93±2	850
W187A	PER MIL-C-17D	187A/U	7/.004	.024	.012	Fused TFE Tape	.110	19.5	75±3	1200
W188A	PER MIL-C-17D	188A/U	7/.0067	.020	.012	Fused TFE Tape	.110	27.5	50±2	1200
W195A	PER MIL-C-17D	195A/U	7/.004	.045	.014	Fused TFE Tape	.155	14.5	95±3	1500
W196A	PER MIL-C-17D	196A/U	7/.004	.011	.012	Fused TFE Tape	.080	28.5	50±2	1000
W225	PER MIL-C-17D	225/U	7/.0312	.096	.035	FG-Braid-V	.430	29.4	50±2	5000
W302	M17/110RG302	302/U	1/.025	.061	.013	Extruded FEP	.207	19.5	75±2	2300
W316	M17/113RG316	316/U	7/.0067	.020	.007	Extruded FEP	.102	29.0	50±2	1200
W393	M 17/127RG393	393/U	7/.0312	.096	.015	Extruded FEP	.390	29.4	50±2	5000
W400	M17/128RG400	400/U	19/.008	.039	.012	Extruded FEP	.195	29.3	50±2	1900
W704	M17/176-00002	-	2 Cond. 19/.005	.010	.012	PFA	.129	24.0	77±2	750

### COAXIAL-CL2P (NEC-725-2b)



#### DESCRIPTION:

Fluoropolymer Coaxial Cables are made to the most exacting specifications in the wire and cable industry. WEICO'S designs and standards allow for dramatic improvements in critical data communications electrical characteristics such as: signal speed, attenuation, and capacitance.

#### CHARACTERISTICS

- High Transmission Speed
- Allows Longer Cable Lengths In Computer Systems
- Can Be Installed In Air Ducts And Plenums Without Conduit
- UL Listed
- Temp. Range: -90°C to +200°C

WEICO NO.	RG TYPE	CENTER COND.	NOM. O.D. IN.	WEIGHT LBS/MFT	NOM. IMP. (OHM)	NOM. CAP. (PF/FT)	V.P. %
WP06	6	18 SOLID BC	.255	55.9	75	17	80
WP11	11	14 SOLID BC	.350	95	75	17	80
WP58	58	20 SOLID BC	.178	38.5	50	27	70
WP59	59	20 SOLID BCW	.196	31.05	75	17	80
WP60	59	22 SOLID BCW	.189	35.6	75	19	80
WP59D	59 DUAL	20 SOLID BCW	.206 x .457	70.5	75	17	80
WP60D	59 DUAL	23 SOLID BCW	.225 x .430	86	75	19	70
WP62	62	22 SOLID BCW	.198	29.9	93	13	83
WP01	TWINAX	20-7-B.C. 20-7-T.C.	.264	55.60	100	12	80
WP02	ETHERNET*	SOLID .085 T.C.	.375	128	50	26	80

\* XEROX TRADEMARK  
\*\* DuPont's Registered Trademark.

# WEICO PLENUM CABLE, WELDING CABLE

## FIRE ALARM-FPLP (NEC- 760-4d)-SHIELDED



WEICO NO.	NUMBER OF CONDUCTORS	GAUGE (AWG)	NOM. O.D. (INCHES)	WEIGHT LBS/MFT
9869	2	18	.200	34.5
9870	2	16	.220	42.0

### DESCRIPTION:

Each Conductor Solid Tinned Copper, Color Coded Fluoropolymer Resin Insulated, Twisted Pair, Overall Aluminum Foil Shield (100coverage) Drain Wire, Fluoropolymer Jacket Overall.

## FIRE ALARM-FPLP LOCAL LAW-5 CLASS E-SHIELDED



WEICO NO.	NUMBER OF CONDUCTORS	GAUGE (AWG)	NOM. O.O. (INCHES)	WEIGHT LBS/MFT
9871	2	18	.200	31.2
9872	2	16	.220	41.2

### DESCRIPTION:

Each Conductor Solid Tinned Copper, Color Coded Fluoropolymer Resin Insulated, Twisted Pair, Overall Aluminum Foil Shield (100% coverage) Drain Wire, Fluoropolymer Jacket Overall.

## WELDING CABLE

### NEOPRENE



WEICO NO.	CONDUCTOR AWG.	STRAND	NOM. OVERALL DIAMETER (INCHES)	CURRENT CARRYING CAPACITY (AMPS)	APPROX. NET. WT. LBS./M.FT.
1006	6	266/30	.39	75	134
1004	4	420/30	.42	100	187
1003	3	532/30	.45	150	233
1002	2	665/30	.55	200	299
1001	1	833/30	.60	250	365
1010	1/0	1057/30	.66	300	457
1020	2/0	1317/30	.73	375	555
1030	3/0	1622/30	.80	450	698
1040	4/0	2109/30	.87	550	871

### DESCRIPTION:

- Stranded Bare Copper Conductor
- Black Neoprene Jacket
- Temperature Range: -30°C to +90°C

# WEICO BRAID, TINNED COPPER

## FLAT BRAID QQ-B-575 F ASTM-B-33



WEICO NO.	MILITARY NO.	NOM. FLAT WIDTH	NOM. THICKNESS	BRAID CONSTRUCTION AWG.OF INDIV. ENDS	CARRIERS	TOTAL NO. OF INDIV. ENDS	APPROX. AWG. EQUIV.	NOM. CIRCULAR MILLS	*CURRENT CARRYING CAP. (Amps)
BF-.025	-	.025"	.015"	36	8	8	27	200	4.0
BF-1/32	-	1/32"	.020"	36	16	16	24	400	6.0
BF-3/64	QQB575F36T0031	3/64"	.020"	36	24	24	22	600	7.0
BF-3/32	-	3/32"	.020"	36	16	48	19	1200	11.0
BF-1/8	QQB575F36T078	1/8"	.020"	36	24	72	18	1800	16.0
BF-3/16	QQB575F36T0125	3/16"	.020"	36	24	120	15	3000	25.0
BF-1/4	QQB575F36T0171	1/4"	.030"	36	24	168	14	4200	32.0
BF-3/8	-	3/8"	.030"	36	48	288	12	7200	46.0
BF-1/2	-	1/2"	.030"	36	48	384	10	9600	53.0
BF-5/8	QQB575F36T375	5/8"	.030"	36	48	384	10	9600	53.0
BF-3/4	QQB575F36T781	3/4"	.040"	36	48	864	7	20800	88.0
BF-1	-	1"	.045"	36	48	864	7	20800	88.0
BF-1 3/8	QQB575F30T875	1 3/8"	.050"	30	48	336	5	33700	100.0
BF-1 1/2	QQB575F30T1375	1 1/2"	.060"	30	48	528	3	53064	150.0
BF-1 3/4	-	1 3/4"	.080"	30	48	1248	2/0	125424	280.0
BF-2	-	2"	.120"	30	48	1436	3/0	154368	310.0

### DESCRIPTION:

Tinned Copper Strands Woven And Rolled Flat At Time of Manufacture To Specific Width Depending on Construction

### APPLICATION:

Used For Bonding, Straps, Grounding or Connecting Moving Parts. Recommended For High Current.

## TUBULAR BRAID QQ-B-575 R ASTM-B-33



WEICO NO.	MILITARY NO.	NOM. I.D. WHEN ROUNDED	BRAID CONSTRUCTION AWG.OF INDIV. ENDS	CARRIERS	TOTAL NO. OF INDIV. ENDS	APPROX. AWG. EQUIV.	NOM. CIRCULAR MILLS	*CURRENT CARRYING CAP. (Amps)
BT-1/32	QQB575R36T031	1/32"	36	24	24	22	600	7.0
BT-1/16	QQB575R36T062	1/16"	36	24	48	19	1200	11.0
BT-5/64	QQB575R36T078	5/64"	36	24	72	18	1800	16.0
BT-7/64	QQB575R36T109	7/64"	36	24	96	16	2400	19.0
BT-1/8	QQB575R36T125	1/8"	36	24	120	15	3000	25.5
BT-5/32	QQB575R36T156	5/32"	36	24	240	12	6000	40.0
BT-11/64	QQB575R36T171	11/64"	36	24	168	14	4200	32.0
BT-13/64	QQB575R34T203	13/64"	34	24	192	11	7630	46.0
BT-1/4	QQB575R36T250	1/4"	36	24	384	10	9600	53.0
BT-9/32	QQB575R30T281	9/32"	30	24	120	9	12060	60.0
BT-3/8	QQB575R36T375	3/8"	36	48	384	10	9600	53.0
BT-7/16	QQB575R30T437	7/16"	30	24	240	6	24120	90.0
BT-1/2	QQB575R36T500	1/2"	36	48	528	9	13200	62.0
BT-9/16	QQB575R30T562	9/16"	30	48	480	3	48240	145.0
BT-21/32	QQB575R30T656	21/32"	30	48	768	1	77180	190.0
BT-25/32	QQB575R36T781	25/32"	36	48	864	7	21600	88.0
BT-1	QQB575R30T1000	1"	30	48	384	4	38600	120.0

### DESCRIPTION:

Tinned Copper Braid Woven in Completely Round Configuration as Outlined in SPEC QQ-B-575.

### APPLICATION:

Used As Both Shielding and Protective Covering. Shielding is 95% Or More When Placed Over Equivalent Diameter Mandrel To The Inside Diameter of Tubular Braid .

STANDARD PUT-UPS: 100 FT., 500 FT., 1000 FT.

\* Values shown are for bare cable in free air at 30°C (86°F) and intended as a reference guide only. Actual values will depend on permissible temperature rise. Permissible voltage drop and other conditions of service.



## BUS BAR TINNED COPPER, SILVER COPPER, BARE COPPER

### SOFT DRAWN BUS MIL-W-3861 TYPE S QQ-W-343 TYPE S ASTM-B-33

**DESCRIPTION:**

Electrolytic, Soft Drawn and Annealed, Solid Tin-Plated, Silver-Plated or Bare Copper.

**APPLICATION:**

Point to Point Wiring, Component Leads and Ground Wire

Standard Put-Ups: 100 ft., 1000 ft.

WEICO NO. (TINNED)	WEICO NO. (SILVER)	WEICO NO. (BARE)	COND. SIZE (AWG)	NOMINAL CIRCULAR MIL AREA	NOM. O.D. (INCHES)
9030	30SC	30BC	30	100.5	.010
9028	28SC	28BC	28	159.8	.013
9026	26SC	26BC	26	254.1	.016
9024	24SC	24BC	24	404.0	.020
9022	22SC	22BC	22	642.4	.025
9020	20SC	20BC	20	1022.0	.033
9018	18SC	18BC	18	1642.0	.040
9016	16SC	16BC	16	2583.0	.051
9014	14SC	14BC	14	4107.0	.065
9012	12SC	12BC	12	6530.0	.082
9010	10SC	10BC	10	10380.0	.103
9008	08SC	08BC	8	16510.0	.129

### HARD DRAWN BUS MIL-W-3861 TYPE S

**DESCRIPTION:**

Electrolytic, Hard Drawn Copper Electroplated, Straightened and Cut to 2 Ft. Lengths.

**APPLICATION:**

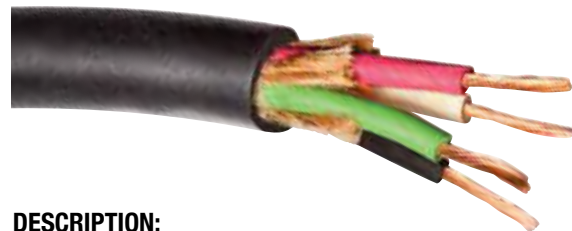
For Hooking Up All Types of Transmitters, Especially Ultra Shortwave Equipment Connecting Common Connector Terminals.

WEICO NO.	CONDUCTOR SIZE (AWG)	NOMINAL CIRCULAR MIL AREA	NOMINAL O.D. (INCHES)
W2424	24	404.0	.020
W2222	22	642.4	.025
W2020	20	1022.0	.033
W1818	18	1642.0	.040
W1616	16	2583.0	.051
W1414	14	4107.0	.065
W1212	12	6530.0	.082
W1010	10	10380.0	.103

Standard Put-Ups: 100 Pcs., 2 Ft. Each, Per Package

## COMMUNICATION AND CONTROL CABLE

### NEOPRENE JACKET (MULTI-SO)



**DESCRIPTION:**

Each Conductor Stranded Bare Copper, Color Coded Rubber Insulation, Cabled with Fillers where Necessary, Wrap Over Conductors, Heavy Black Neoprene Jacket Overall.

**CHARACTERISTICS:**

- Temperature Range: -30°C to +90°C
- Voltage Rating: 600 Volts

#### 18 16/30-STRADED BARE COPPER-2/64" INSULATION THICKNESS

WEICO NO.	NO. OF CONDUCTORS	NOMINAL JKT. THICKNESS (INCHES)	NOMINAL O.D. (INCHES)
NO-518	5	.078	.485
NO-618	6	.078	.510
NO-818	8	.078	.560
NO-918	9	.078	.595
NO-1018	10	.078	.620

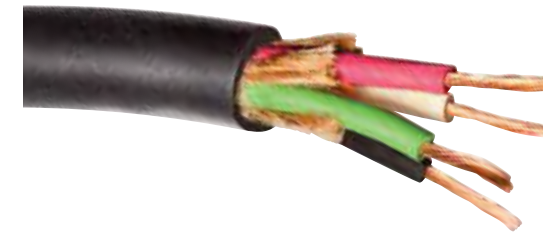
#### 16 26/30-STRADED BARE COPPER-2/64" INSULATION THICKNESS

WEICO NO.	NO. OF CONDUCTORS	NOMINAL JKT. THICKNESS (INCHES)	NOMINAL O.D. (INCHES)
NO-516	5	.078	.520
NO-616	6	.078	.540
NO-716	7	.078	.540
NO-816	8	.078	.580
NO-1016	10	.094	.720
NO-1216	12	.094	.745
NO-1416	14	.094	.765
NO-1616	16	.094	.810
NO-2016	20	.094	.890
NO-2216	22	.094	.920
NO-2416	24	.109	1.000
NO-2616	26	.109	1.030
NO-3016	30	.109	1.080



## COMMUNICATION AND CONTROL CABLE

### CONTROL CABLE, (MULTI-SO)



COLOR CODE: Per IPCEA

#### 14 41/30-STRADED BARE COPPER-3/64" INSULATION THICKNESS

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM.O.D. (INCHES)
NO-514	5	.095	.675
NO-614	6	.094	.705
NO-714	7	.094	.710
NO-814	8	.094	.760
NO-914	9	.094	.810
NO-1014	10	.094	.870
NO-1214	12	.094	.900

#### 12 65/30-STRADED BARE COPPER-3/64" INSULATION THICKNESS

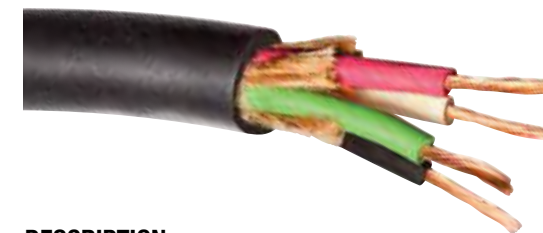
WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM.O.D. (INCHES)
NO-512	5	.094	.740
NO-612	6	.094	.790
NO-712	7	.094	.790
NO-812	8	.094	.820
NO-912	9	.109	.900
NO-1012	10	.109	1.010
NO-1212	12	.109	1.040
NO-1612	16	.109	1.160
NO-1812	18	.109	1.220

#### 10 104/30-STRADED BARE COPPER-3/64" INSULATION THICKNESS

WEICO NO.	NO. OF CONDUCTORS	NOM. JACKET THICKNESS (INCHES)	NOM.O.D. (INCHES)
NO-510	5	.094	.800
NO-610	6	.094	.850
NO-810	8	.094	.910
NO-1010	10	.109	1.120

### PORTABLE CORDS 300-600V

UL LISTED SJO, SO



**DESCRIPTION:**

Each Conductor Stranded Bare Copper, Color Coded Rubber Insulation, Cabled with Fillers, Separator, Black Neoprene Jacket Overall.

**CHARACTERISTICS:**

- Temperature Range: -30°C to +90°C
- Voltage Rating:
  - SJO: 300 Volts
  - SO: 600 Volts

#### NEOPRENE PORTABLE CORD 300 VOLT

WEICO NO.	TYPE	NO. OF COND.	AWG	NOM. INS. THICKNESS (INCHES)	NOM. JKT. THICKNESS (INCHES)	CURRENT CAPACITY IN AMPS	NOM O.D. (INCHES)
NJO-218	SJO	2	18	.032	.032	7	.305
NJO-318	SJO	3	18	.032	.032	7	.330
NJO-216	SJO	2	16	.032	.032	10	.330
NJO-316	SJO	3	16	.032	.032	10	.360

#### NEOPRENE PORTABLE CORD 600 VOLT

WEICO NO.	TYPE	NO. OF COND.	AWG	NOM. INS. THICKNESS (INCHES)	NOM. JKT. THICKNESS (INCHES)	CURRENT CAPACITY IN AMPS	NOM O.D. (INCHES)
NO-218	SO	2	18	.030	.060	7	.390
NO-318	SO	3	18	.030	.060	7	.405
NO-418	SO	4	18	.030	.060	6	.435
NO-216	SO	2	16	.030	.060	10	.405
NO-316	SO	3	16	.030	.060	10	.430
NO-416	SO	4	16	.030	.060	8	.485
NO-214	SO	2	14	.045	.075	15	.530
NO-314	SO	3	14	.045	.075	15	.560
NO-414	SO	4	14	.045	.075	12	.605
NO-212	SO	2	12	.045	.090	20	.600
NO-312	SO	3	12	.045	.090	20	.635
NO-412	SO	4	12	.045	.090	16	.665
NO-210	SO	2	10	.045	.090	25	.640
NO-310	SO	3	10	.045	.090	25	.690
NO-410	SO	4	10	.045	.090	20	.745

Standard Put-Ups: 250 ft. COLORS: 1 = White 2 = Black 3 = Green 4 = Red

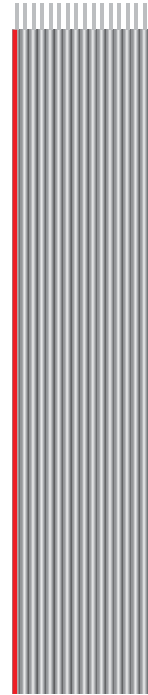


# FLAT CABLE GRAY

105°C PVC

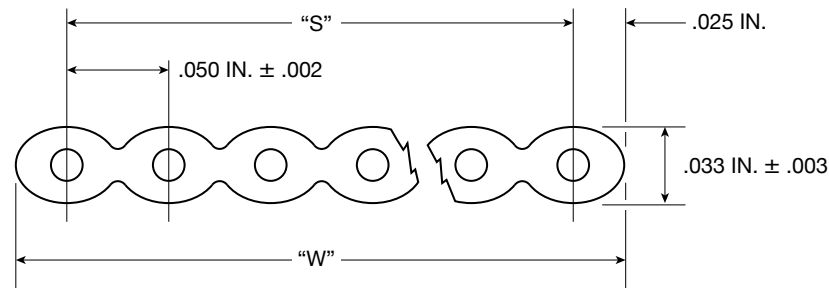
**2651**

(PASSES UL VW-1 FLAME TEST)



Weico's gray Flat Cable is designed for general purpose applications. Because of its exacting specifications, it provides consistent reliable performance. Being ribbed on both sides permits reverse plane termination ability on the same cable length. Flexibility and excellent teardown characteristics allow intricate circuit routing and uniform breakouts for harness production. Weico's Flat Cable is stocked in bulk (100 Ft./Reel).

WEICO NO.	NO. OF CONDUCTORS	NOMINAL OVERALL WIDTH (W) (INCHES)	NOMINAL SPAN (S) (INCHES)
WR-9	9	.45	.40
WR-10	10	.50	.45
WR-14	14	.70	.65
WR-15	15	.75	.70
WR-16	16	.80	.75
WR-20	20	1.00	.95
WR-24	24	1.20	1.15
WR-25	25	1.25	1.20
WR-26	26	1.30	1.25
WR-34	34	1.70	1.65
WR-37	37	1.85	1.80
WR-40	40	2.00	1.95
WR-50	50	2.50	2.45
WR-60	60	3.00	2.95
WR-64	64	3.20	3.15



**DESCRIPTION:**

- 28 AWG (7/36) stranded tinned copper conductor
- Nominal Insulation Thickness: .010" PVC
- Conductors on .050" centers
- Gray PVC with red stripe on leading edge
- UL listed-Style 2651
- Passes UL VW-1 flame test

**CHARACTERISTICS:**

- Temperature Rating: +105°C
- Voltage Rating: 300 Volts
- Capacitance: 14 pF/ft nom.\*
- Propagation Delay: 1.4 ns/ft-.18 ns rise time pulse @ 1 mhz\*
- Impedance: 105 ohms nom.\*
- Crosstalk: nom. between two adjacent signal lines @ 1 ns rise time over 10 ft. length; near end 3.2%-far end 11.5%\*
- Environmental: resists acids, alkalis, oil, moisture, solvents, ozone and fungus

Standard Packaging: 100 foot spool

\*Transmission Characteristics: Ground-Signal-Ground-Signal etc. With All Grounds Common

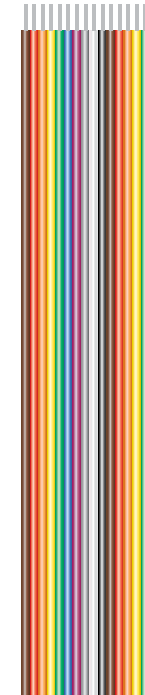


# FLAT CABLE COLOR CODED

105°C PVC

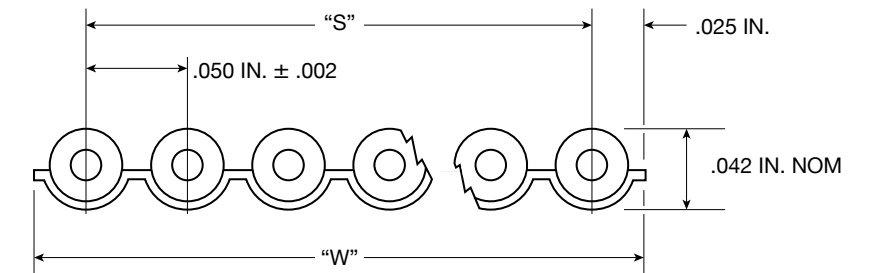
**2884**

(PASSES UL VW-1 FLAME TEST)



Weico's color coded Flat Cable is manufactured from pre-insulated color coded conductors which are then laminated on .050 center to center spacing. This permits conventional termination using insulation displacement connectors. Color coding affords immediate identification of discrete wires for positive termination and traceability. Weico's Flat Cable is stocked in bulk (100 ft/reel).

WEICO NO.	NO. OF CONDUCTORS	NOMINAL OVERALL WIDTH (W) (INCHES)	NOMINAL SPAN (S) (INCHES)
WC-9	9	.45	.40
WC-10	10	.50	.45
WC-14	14	.70	.65
WC-15	15	.75	.70
WC-16	16	.80	.75
WC-20	20	1.00	.95
WC-24	24	1.20	1.15
WC-25	25	1.25	1.20
WC-26	26	1.30	1.25
WC-34	34	1.70	1.65
WC-37	37	1.85	1.80
WC-40	40	2.00	1.95
WC-50	50	2.50	2.45
WC-60	60	3.00	2.95
WC-64	64	3.20	3.15



**DESCRIPTION:**

- 28 AWG (7/36) stranded tinned copper conductor
- .010" nom. wall PVC
- Conductors laminated to a sheet of .009" clear PVC
- Color Code: brown, red, orange, yellow, green, blue, violet, gray, white, black. Color code repeats beyond 10 conductors
- UL listed-Style 2884
- Passes UL VW-1 flame test

**CHARACTERISTICS:**

- Temperature Rating: +105°C
- Voltage Rating: 300 Volts
- Capacitance: 14 pF/ft @ 1 mhz\*
- Propagation Delay: 1.4 ns/ft-.18 ns rise time pulse\*
- Impedance: 105 ohms nom.\*
- Crosstalk: nom. between two adjacent signal lines @ 1 ns rise time over 10 ft. length; near end 3.2%-far end 11.5%\*
- Environmental: resists acids, alkalis, oil, moisture, solvents, ozone and fungus

Standard Packaging: 100 foot spool

\*Transmission Characteristics: Ground-Signal-Ground-Signal etc. With All Grounds Common

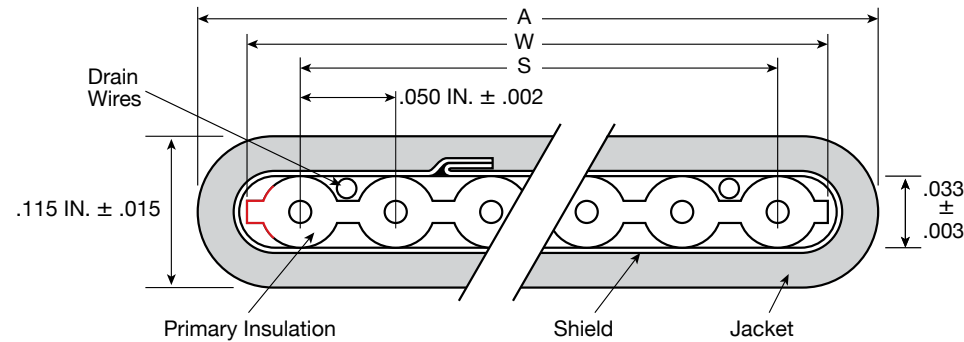


# FLAT CABLE, SHIELDED AND JACKETED

## 105°C PVC

**2912**

(PASSES UL VW-1 FLAME TEST)



### DESCRIPTION:

- 28 AWG (7/36) stranded tinned copper conductor
- Nominal Insulation Thickness: .010" PVC
- Conductors on .050" centers
- Gray PVC with red stripe on leading edge
- Overall Aluminum/Polyester shield with two stranded tinned copper drain wires- 28 AWG (7/36)
- Black PVC Jacket-Thickness: .030" Minimum
- UL STYLE 2912
- Passes UL VW-1 flame test

### CHARACTERISTICS:

- Temperature Rating: +105°C
- Voltage Rating: 150 V
- Capacitance: 20 pF/ft nom.\*
- Propagation Delay: 1.45 ns/ft.-.10 ns rise time pulse @ 1 mhz\*
- Impedance: 70 ohms nom.
- Crosstalk: 5.5% near end; 1.6% far end; 10ft. sample @ 3.5 ns rise time pulse; 2.0% near end; .50% far end 10 ft. sample @ 7.0 ns rise time pulse

Standard Packaging: 100 foot spool

\*Transmission Characteristics: Ground-Signal-Ground-Signal etc. With All Grounds Common

WEICO NO.	NO. OF CONDUCTORS	JACKET WIDTH "A"	CABLE WIDTH "W"	CABLE SPAN "S"
WSJ-14	14	.770 ± .030	.700 ± .008	.650 ± .008
WSJ-16	16	.870 ± .030	.800 ± .008	.750 ± .008
WSJ-20	20	1.070 ± .030	1.000 ± .008	.950 ± .008
WSJ-25	25	1.320 ± .030	1.250 ± .008	1.200 ± .008
WSJ-26	26	1.370 ± .030	1.300 ± .008	1.250 ± .008
WSJ-34	34	1.770 ± .035	1.700 ± .012	1.650 ± .012
WSJ-40	40	2.070 ± .035	2.000 ± .012	1.950 ± .012
WSJ-50	50	2.570 ± .035	2.500 ± .012	2.450 ± .012
WSJ-60	60	3.070 ± .035	3.000 ± .012	2.950 ± .012



# POWER SUPPLY CORDS, SHIELDED, UNSHIELDED

## 3 CONDUCTOR N.A. COLOR CODING CEE COLOR CODING



### DESCRIPTION:

- Stranded Bare Copper Conductors
- Color Coded PVC or Rubber Insulation
- PVC (SVT-SJT). Rubber (SV-SJ) Or Neoprene (SJO) Jacket
- One End Fitted With Molded Three Prong Male Plug, Other End Has Jacket and Conductors Stripped Back
- Shielded or Unshielded As Indicated In Table

### APPLICATIONS:

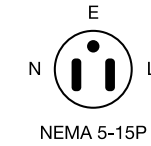
- Type SV-SVT: Small Tools, Business Machines, Light-Duty Equipment
- Type SJ-SJT-SJO: Heavier Duty Tools, Electric Saws, Small Motors, Grinders, Saws, Sanders

### COLOR CODE COMPARISON BY FUNCTION

**Function**  
N = Neutral  
L = Live  
E = Earth or Ground

**North American Color Coding**  
White  
Black  
Green or Green/Yellow

**CEE**  
Light Blue  
Brown  
Green/Yellow

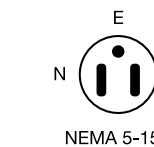


OUTER JACKET STRIPPED 2". CONDUCTORS STRIPPED AND TWISTED 3/4"

WEICO NO.	LENGTH (FT.)	COLOR CODING	AWG (STRAND-ING)	NOM. O.D. (INCHES)	RATING	UL TYPE	COLOR
<b>UNSHIELDED</b>							
30306	6	NA	18(16x30)	0.328	1250 Watts 10A-125V	SJ	Black
30406	6	NA	18(16x30)	0.315	1250 Watts 10A-125V	SJT	Gray
30407/ECC	6'7"	CEE	18(41x34)	0.315	1250 Watts 10A-125V	SJT	Black
30308	8	NA	18(16x30)	0.328	1250 Watts 10A-125V	SJ	Black
30508	8	NA	18(16x30)	0.328	1250 Watts 10A-125V	SJO	Black
30312	12	NA	18(16x30)	0.328	1250 Watts 10A-125V	SJ	Black
30309/16	9	NA	16(26x30)	0.353	1625 Watts 13A-125V	SJ	Black
30410/16ECC	9'10"	CEE	16(65x34)	0.340	1625 Watts 13A-125V	SJT	Black
30312/16	12	NA	16(26x30)	0.353	1625 Watts 13A-125V	SJ	Black

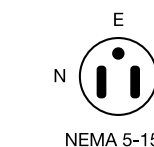
### SHIELDED

33207/ECC	6'7"	CEE	18(41x34)	0.270	1250 Watts 10A-125V	SVT Shielded	Black
33210/ECC	9'10"	CEE	18(41x34)	0.270	1250 Watts 10A-125V	SVT Shielded	Black
33410/14ECC	9'10"	CEE	14(41x30)	0.402	1875 Watts 15A-125V	SJT Shielded	Black



OUTER JACKET STRIPPED 1 1/2". CONDUCTORS STRIPPED AND TWISTED 5/8"

WEICO NO.	LENGTH (FT.)	COLOR CODING	AWG (STRAND-ING)	NOM. O.D. (INCHES)	RATING	UL TYPE	COLOR
<b>UNSHIELDED</b>							
30106	6	NA	18(41x34)	0.246	1250 Watts 10A-125V	SV	Black
30108	8	NA	18(41x34)	0.246	1250 Watts 10A-125V	SV	Black
30206	6	NA	18(41x34)	0.253	1250 Watts 10A-125V	SVT	Gray
30208	8	NA	18(41x34)	0.253	1250 Watts 10A-125V	SVT	Gray



OUTER JACKET STRIPPED 2". CONDUCTORS STRIPPED AND TWISTED 3/4"

WEICO NO.	LENGTH (FT.)	COLOR CODING	AWG (STRAND-ING)	NOM. O.D. (INCHES)	RATING	UL TYPE	COLOR
<b>UNSHIELDED</b>							
30309/14	9	NA	14(41x30)	0.380	1875 Watts 15A-125V	SJ	Black
30315/14	15	NA	14(41x30)	0.380	1875 Watts 15A-125V	SJ	Black



# POWER SUPPLY CORDS, SHIELDED, UNSHIELDED

## EXTENSION CORDS, DETACHABLE 3 CONDUCTORS N.A. COLOR CODING CEE COLOR CODING



### DESCRIPTION:

- One End Fitted With Molded Three Prong Male Plug. Other End Fitted With Molded Female Receptacle.
- Shielded or Unshielded As Indicated In Table.

### COLOR CODE COMPARISON BY FUNCTION

#### Function

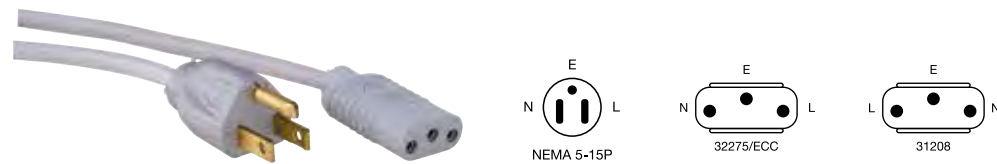
N = Neutral  
L = Live  
E = Earth or Ground

#### North American Color Coding

White  
Black  
Green or Green/Yellow

#### CEE

Light Blue  
Brown  
Green/Yellow



WEICO NO.	LENGTH (FT.)	COLOR CODING	AWG (STRAND-ING)	NOM. O.D. (INCHES)	RATING	UL TYPE	COLOR
<b>UNSHIELDED</b>							
31208	8	NA	18(41 x34)	0.253	875 Watts 7A-125V	SVT	Gray
32275/ECC	7'6"	CEE	18(41 x34)	0.246	875 Watts 7A-125V	SVT	Gray



WEICO NO.	LENGTH (FT.)	COLOR CODING	AWG (STRAND-ING)	NOM. O.D. (INCHES)	RATING	UL TYPE	COLOR
<b>UNSHIELDED</b>							
31275	7'6"	NA	18(41X34)	0.246	1250 Watts 10A-125V	SVT	Black
31275/ECC	7'6"	CEE	18(41X34)	0.246	1250 Watts 10A-125V	SVT	Black
31407/ECC	6'7"	CEE	18(41X34)	0.315	1250 Watts 10A-125V	SJT	Black
31407/14ECC	6'7"	CEE	14(41X30)	0.380	1875 Watts 15A-125V	SJT	Black
32408/16	7'6"	NA	16(65X34)	0.340	1625 Watts 13A-125V	SJT	Black
31410	9'10"	CEE	18(41X34)	0.315	1250 Watts 10A-125V	SJT	Black
<b>SHIELDED</b>							
33209/ECC	6'7"	CEE	18(41X34)	0.270	1250 Watts 10A-125V	SVT Shielded	Black
34407/ECC	6'7"	CEE	18(41X34)	0.340	1250 Watts 10A-125V	SJT Shielded	Black
34207/ECC	6'7"	CEE	18(41X34)	0.307	1250 Watts 10A-125V	SVT Foil Shield +85% Braid Shield	Black
34410/16 ECC	9'10"	CEE	16(65X34)	0.365	1625 Watts 13A-125V	SJT Shielded	Black
34407/14 ECC	6'7"	CEE	14(41X30)	0.402	1875 Watts 15A-125V	SJT Shielded	Black
34410/14 ECC	9'10"	CEE	14(41X30)	0.402	1875 Watts 15A-125V	SJT Shielded	Black



WEICO NO.	LENGTH (FT.)	COLOR CODING	AWG (STRAND-ING)	NOM. O.D. (INCHES)	RATING	UL TYPE	COLOR
31310	10	NA	18(16x30)	0.328	1250 Watts 10A-125V	SJ	Black
31310/16	10	NA	16(26x30)	0.340	1625 Watts 13A-125V	SJ	Black



# TUBING

## EXPANDABLE BRAIDED POLYESTER SLEEVING

(PASSES VW-1 FLAME TEST)



### DESCRIPTION:

WEICO XPT and XFR are lightweight, expandable sleeveings that offer extreme flexibility. The open weave allows for a wide range of sleeving diameters, thus ensuring ease of installation over a wide range of shapes and sizes. This sleeving provides an economical, flexible, protection for bundling wires, harnesses, and cable assemblies on various types of machinery, from industrial robots to CAD/CAM controlled process and machine tool equipment.

Standard Put-Ups: Consult Factory

GENERAL PURPOSE WEICO NO.	FLAME RETARDANT WEICO NO.	MINIMUM SUPPLIED I.D. (INCHES)	MAXIMUM EXPANDED I.D. (INCHES)	NOM. WALL THICKNESS (INCHES)
XPT-1/8	XFR-1/8	0.093	0.250	.025
XPT-1/4	XFR-1/4	0.125	0.437	.025
XPT-1/2	XFR-1/2	0.250	0.750	.025
XPT-3/4	XFR-3/4	0.500	1.250	.025
XPT-1 1/4	XFR-1 1/4	0.750	1.750	.025
XPT-1 3/4	XFR-1 3/4	1.250	2.750	.025
XPT-2	XFR-2	1.500	3.500	.025

COLOR: Black

### CHARACTERISTICS:

- Operating Temperature: -70°C to +125°C
- Applicable Specifications: MIL STD-810B-Method 508
- Fungus inert
- Resists abrasion and cut through, self-extinguishing when used to encase non-flammable wires or cables.

## TUBING \*"TEFLON"



### DESCRIPTION:

WEICO'S Teflon Tubing is Rated For Continuous Operation at 260°C While Retaining Exceptional Toughness and Flexibility. The Dielectric Strength of Teflon at High Frequencies is Many Times That of Other Insulators. The Insulation Resistance Properties are Unaffected by Heat Aging or Temperature Use up to 260°C.

### SPECIFICATIONS:

ETT: AMS 3654, ASTM D 3295 CLASS A  
TT: AMS 3655, ASTM D 3295 CLASS B  
TS: AMS 3653, ASTM D 3295 CLASS C  
MIL-I-22129

### CHARACTERISTICS:

- Operating Temperature: -65°C to 260°C
- Dielectric Strength: 550 Volts/MIL
- Fungus Resistant
- Self-Extinguishing
- Non-Corrosive
- Zero Water Absorption

Standard Put-Ups: 100 ft., 1000 ft.

\* DuPont's Registered Trademark.

WEICO NO. AND SIZE			NOM. INSIDE DIA. (INCHES)	ETT WALL THICKNESS (INCHES)	TT WALL THICKNESS (INCHES)	TS WALL THICKNESS (INCHES)
EXTRA THIN WALL	THIN WALL	STANDARD WALL				
ETT-30	TT-30	-	.012	.006	.009	-
ETT-28	TT-28	-	.015	.006	.009	-
ETT-26	TT-26	-	.018	.006	.009	-
ETT-24	TT-24	TS-24	.022	.006	.010	.012
ETT-22	TT-22	TS-22	.028	.006	.010	.012
ETT-20	TT-20	TS-20	.034	.006	.012	.016
ETT-19	TT-19	TS-19	.038	.006	.012	.016
ETT-18	TT-18	TS-18	.042	.006	.012	.016
ETT-17	TT-17	TS-17	.047	.006	.012	.016
ETT-16	TT-16	TS-16	.053	.006	.012	.016
ETT-15	TT-15	TS-15	.059	.006	.012	.016
ETT-14	TT-14	TS-14	.066	.008	.012	.016
ETT-13	TT-13	TS-13	.076	.008	.012	.016
ETT-12	TT-12	TS-12	.085	.008	.012	.016
ETT-11	TT-11	TS-11	.095	.008	.012	.016
ETT-10	TT-10	TS-10	.106	.008	.012	.016
ETT-9	TT-9	TS-9	.118	.008	.015	.020
ETT-8	TT-8	TS-8	.133	.008	.015	.020
ETT-7	TT-7	TS-7	.148	.008	.015	.020
ETT-6	TT-6	TS-6	.166	.010	.015	.020
ETT-5	TT-5	TS-5	.186	.010	.015	.020
ETT-4	TT-4	TS-4	.208	.010	.015	.020
ETT-3	TT-3	TS-3	.234	.010	.015	.020
ETT-2	TT-2	TS-2	.263	.010	.015	.020
ETT-1	TT-1	TS-1	.294	.010	.015	.020
ETT-0	TT-0	TS-0	.330	.012	.015	.020

COLORS: Natural = C

0 = Black 2 = Red 4 = Yellow 6 = Blue 8 = Gray  
1 = Brown 3 = Orange 5 = Green 7 = Violet 9 = White



# TUBING

## PVC 105°C

(PASSES VW-1 FLAME TEST)



### DESCRIPTION:

WEICO'S PVC Tubing is an Economical All-Purpose Insulating Material. It is Flexible, Heat and Oil Resistant and has Superior Thermal, Mechanical and Electrical Properties.

### SPECIFICATIONS:

- MIL-I-631- TYPE F FORM U, GRADE C, CLASS 1, CATEGORY 1

### CHARACTERISTICS:

- Operating Temperature: -20°C to +105°C
- Dielectric Strength: 800 Volts/MIL
- Non Corrosive
- Self Extinguishing
- Fungus Resistant

WEICO NO.	SIZE	NOM. INSIDE DIA. (INCHES)	NOM. WALL THICKNESS (INCHES)	STANDARD PUT-UPS
PV-24	24	.022	.013	100',-1000' Spools
PV-22	22	.027	.012	100',-1000' Spools
PV-20	20	.034	.016	100',-1000' Spools
PV-19	19	.038	.016	100',-1000' Spools
PV-18	18	.042	.016	100',-1000' Spools
PV-17	17	.047	.016	100',-1000' Spools
PV-16	16	.053	.016	100',-1000' Spools
PV-15	15	.059	.016	100',-1000' Spools
PV-14	14	.066	.016	100',500' Spools
PV-13	13	.076	.016	100',500' Spools
PV-12	12	.085	.016	100',500' Spools
PV-11	11	.095	.016	100',500' Spools
PV-10	10	.106	.016	100',500' Spools
PV-9	9	.118	.020	100',500' Spools
PV-8	8	.133	.020	100',500' Spools
PV-7	7	.148	.020	100',500' Spools
PV-6	6	.166	.020	100',500' Spools
PV-5	5	.186	.020	100',500' Spools
PV-4	4	.208	.020	100',250' Spools
PV-3	3	.234	.020	100',250' Spools
PV-2	2	.263	.020	100',250' Spools
PV-1	1	.294	.020	100',250' Spools
PV-0	0	.330	.020	100',250' Spools
PV-5/16	5/16"	.312	.025	100',250' Coils
PV-3/8	3/8"	.375	.025	100',250' Spools
PV-7/16	7/16"	.438	.025	100' Coils
PV-1/2	1/2"	.500	.025	100' Coils
PV-9/16	9/16"	.562	.030	100' Coils
PV-5/8	5/8"	.625	.030	100' Coils
PV-3/4	3/4"	.750	.035	50' Coils
PV-7/8	7/8"	.875	.035	50' Coils
PV-1 IN	1"	1.000	.035	50' Coils
PV-1 1/8	1 1/8"	1.125	.035	50' Coils
PV-1 1/4	1 1/4"	1.250	.040	50' Coils
PV-1 3/8	1 3/8"	1.375	.045	50' Coils
PV-1 1/2	1 1/2"	1.500	.045	50' Coils
PV-1 3/4	1 3/4"	1.750	.055	50' Coils
PV-2 IN	2"	2.000	.060	50' Coils
PV-2 1/4	2 1/4"	2.250	.070	50' Coils
PV-2 1/2	2 1/2"	2.500	.070	50' Coils

**COLORS:** C = Clear 9 = White 2 = Red  
0 = Black 4 = Yellow 5 = Green



# TUBING

## PLASTIC IMPREGNATED FIBERGLASS TUBING



### CONFORMS TO:

MIL-I-3190-GRADE B AND MIL-I-21557

### THERMAL CLASS B:

(130°C). NEMA Type VS-1

### DIELECTRIC: 4000 VDC

### OPERATING TEMPERATURE:

-20°C to +130°C

- Non Corrosive
- Self Extinguishing
- Fungus Resistant

### STOCK COLOR: Black

Standard Put-Ups: 100 ft., 1000 ft.

WEICO NO.	SIZE	NOMINAL I.D.	NOM. WALL THICKNESS (INCHES)
FG-24	24	.022	.019
FG-22	22	.027	.019
FG-20	20	.034	.019
FG-19	19	.038	.019
FG-18	18	.042	.019
FG-17	17	.047	.019
FG-16	16	.053	.024
FG-15	15	.059	.024
FG-14	14	.066	.024
FG-13	13	.076	.024
FG-12	12	.085	.024
FG-11	11	.095	.024
FG-10	10	.106	.024
FG-9	9	.118	.024
FG-8	8	.133	.024

WEICO NO.	SIZE	NOMINAL I.D.	NOM. WALL THICKNESS (INCHES)
FG-7	7	.148	.024
FG-6	6	.166	.024
FG-5	5	.186	.031
FG-4	4	.206	.031
FG-3	3	.234	.031
FG-2	2	.263	.031
FG-1	1	.294	.036
FG-0	0	.330	.036
FG-3/8	3/8"	.387	.036
FG-7/16	7/16"	.450	.036
FG-1/2	1/2"	.512	.036
FG-5/8	5/8"	.640	.036
FG-3/4	3/4"	.768	.036
FG-7/8	7/8"	.893	.036
FG-1IN	1"	1.018	.036

### DESCRIPTION:

The Weico FG Tubing is a Woven Fiberglass Braid Impregnated With a Heat Resistant, Extremely Flexible, Tough Plastic Insulation. It is Formulated

to Provide The Optimum in Electrical, Chemical Resistance, Heat Stability, and Abrasion Resistant Properties.

## SILICONE RUBBER COATED FIBERGLASS TUBING



### DESCRIPTION:

The WEICO RSF Tubing is a Tightly Woven, Fiberglass Braid, Coated With Silicone Rubber. It Offers High Heat and Superior Electrical Characteristics in Any Application Requiring Class H Insulation, and Maintains Exceptional Flexibility Over Its Entire Operating Temperature Range.

### THERMAL CLASS H: for 200°C operation.

NEMA Type 5.

### GRADE A-1: 8000V. Dielectric.

### MEETS MILITARY SPECIFICATIONS:

MIL-I-3190 and MIL-I-18057.

### OPERATING TEMPERATURE RANGE:

-85°C to +200°C

- Non Corrosive
- Self Extinguishing
- Fungus Resistant

### STOCK COLOR: Natural

Standard Put-Ups: 100 ft., 1000 ft.

WEICO NO.	SIZE	NOM. INSIDE DIAMETER (INCHES)	NOM. WALL THICKNESS (INCHES)
RSF-24	24	.024	.020
RSF-22	22	.029	.020
RSF-20	20	.036	.020
RSF-18	18	.045	.020
RSF-17	17	.050	.020
RSF-16	16	.056	.024
RSF-15	15	.062	.024
RSF-14	14	.068	.024
RSF-13	13	.076	.024
RSF-12	12	.085	.024
RSF-11	11	.096	.024
RSF-10	10	.107	.024
RSF-9	9	.119	.024
RSF-8	8	.135	.024
RSF-7	7	.151	.024
RSF-6	6	.170	.024
RSF-5	5	.190	.028
RSF-4	4	.214	.028
RSF-3	3	.239	.028
RSF-2	2	.268	.028
RSF-1	1	.300	.028
RSF-0	0	.336	.028
RSF-3/8	3/8"	.387	.034
RSF-7/16	7/16"	.450	.034
RSF-1/2	1/2"	.512	.034
RSF-5/8	5/8"	.640	.034
RSF-3/4	3/4"	.768	.034
RSF-7/8	7/8"	.893	.034
RSF-1IN	1"	1.018	.034



# TUBING, SHRINKABLE

## PVC 105°C



### SPECIFICATIONS:

- MIL-I-23053/2
- AMS-3582

### CHARACTERISTICS:

Operating Temperature: -35°C to +105°C  
 Shrinkage Ratio: to 50% of Supplied Diameter at 175° C  
 Longitudinal Shrinkage: 10% Nominal  
 Dielectric Strength: 750 Volts/MIL

WEICO NO.	MILITARY NO.	SIZE (INCHES)	MIN. I.D. BEFORE SHRINKAGE (INCHES)	RECOVERED I.D. AFTER SHRINKAGE (INCHES)	NOM. WALL THICKNESS (INCHES)
SPV-1/16	M23053/2-202-X	1/16	.062	.031	.020
SPV-3/32	M23053/2-203-X	3/32	.093	.046	.020
SPV-1/8	M23053/2-204-X	1/8	.125	.062	.020
SPV-3/16	M23053/2-205-X	3/16	.187	.093	.020
SPV-1/4	M23053/2-206-X	1/4	.250	.125	.025
SPV-3/8	M23053/2-207-X	3/8	.375	.187	.025
SPV-1/2	M23053/2-208-X	1/2	.500	.250	.025
SPV-3/4	M23053/2-209-X	3/4	.775	.375	.030
SPV-1	M23053/2-210-X	1	1.000	.500	.035
SPV-1 1/2	M23053/2-211-X	1 1/2	1.500	.750	.045
SPV-2	M23053/2-212-X	2	2.000	1.000	.050

COLORS: 0 = Black C = Clear

X Denotes color coding

## POLYOLEFIN 135°C



WEICO's Polyolefin tubings offer an outstanding balance of properties-electrical, physical and chemical-that make them the most popular choice for a wide variety of industrial and military applications.

Rated for 135°C continuous operation and engineered for superior flame resistance properties, Polyolefin tubings are typically used as a shrink-fit electrical insulation over cable splices and terminations. Polyolefin tubings are also excellent for light-weight wire harness covering, wire marking and bundling, component packaging and fire resistant covering. Polyolefin clear tubings provide excellent visibility for component packaging. All Polyolefin tubings are split-resistant, mechanically tough, easily marked and they resist cold flow.

WEICO NO.	MILITARY NO. (CLEAR)	MILITARY NO. (COLORS)	MILITARY NO.* (CLASS 3*)	SIZE (INCHES)	MIN. I.D. BEFORE SHRINKING (INCHES)	RECOVERED I.D. AFTER SHRINKING (INCHES)	RECOVERED NOM. WALL THICKNESS (INCHES)
SPO-3/64	M23053/5-201-C	M23053/5-101-X	M23053/5-301-X	3/64	.046	.023	.016
SPO-1/16	M23053/5-202-C	M23053/5-102-X	M23053/5-302-X	1/16	.063	.031	.017
SPO-3/32	M23053/5-203-C	M23053/5-103-X	M23053/5-303-X	3/32	.093	.046	.020
SPO-1/8	M23053/5-204-C	M23053/5-104-X	M23053/5-304-X	1/8	.125	.062	.020
SPO-3/16	M23053/5-205-C	M23053/5-105-X	M23053/5-305-X	3/16	.187	.093	.020
SPO-1/4	M23053/5-206-C	M23053/5-106-X	M23053/5-306-X	1/4	.250	.125	.025
SPO-3/8	M23053/5-207-C	M23053/5-107-X	M23053/5-307-X	3/8	.375	.187	.025
SPO-1/2	M23053/5-208-C	M23053/5-108-X	M23053/5-308-X	1/2	.500	.250	.025
SPO-3/4	M23053/5-209-C	M23053/5-109-X	M23053/5-309-X	3/4	.750	.375	.030
SPO-1	M23053/5-210-C	M23053/5-110-X	M23053/5-310-X	1	1.000	.500	.035
SPO-1 1/2	M23053/5-211-C	M23053/5-111-X	M23053/5-311-X	1 1/2	1.500	.750	.040
SPO-2	M23053/5-212-C	M23053/5-112-X	M23053/5-312-X	2	2.000	1.000	.045
SPO-3	M23053/5-213-C	M23053/5-113-X	M23053/5-313-X	3	3.000	1.500	.050
SPO-4	M23053/5-214-C	M23053/5-114-X	M23053/5-314-X	4	4.000	2.000	.055

STANDARD PUT-UPS: 4 ft. lengths, 100 ft./pkg.

Spools-100 ft and 1000 ft./spool

\*Please specify Military Number when ordering Class 3 Material.

### SPECIFICATIONS:

- MIL-I-23053/5A
- AMS-3636B (Colors) Nonflammable
- AMS-3637B (Clear) Flammable
- Also Available VW1 Approved-Please specify at time of ordering

X Denotes color coding

COLORS: 0 = Black 4 = Yellow 6 = Blue C = Clear  
 2 = Red 5 = Green 9 = White

### CHARACTERISTICS:

Operating Temperature: -55°C to + 135°C  
 Shrinking Ratio: to 50% of Supplied Diameter at 121°C  
 Longitudinal Shrinkage: 5% Nominal  
 Dielectric Strength: 1300 Volts/MIL



# TUBING, SHRINKABLE

## IRRADIATED POLYOLEFIN MULTIPLE WALL ADHESIVE LINED



WEICO NO.	MILITARY NO.	EXPANDED I.D. MINIMUM (INCHES)	RECOVERED I.D. MAXIMUM (INCHES)	RECOVERED NOM. WALL THICKNESS (INCHES)
SAW - 1/8	-	.125	.063	.030
SAW - 3/16	-	.187	.093	.030
SAW - 1/4	M23053/4-201-0	.250	.125	.030
SAW - 3/8	M23053/4-202-0	.375	.187	.031
SAW - 1/2	M23053/4-203-0	.500	.250	.032
SAW - 3/4	M23053/4-204-0	.750	.375	.037
SAW - 1	M23053/4-205-0	1.000	.500	.046
SAW - 1 1/2	M23053/4-206-0	1.500	.750	.049

COLOR: Black

Standard Put-Ups: 4 ft. lengths

Weico's SAW tubings are rated for continuous operation at temperatures from -55°C to +110°C and will withstand higher operating temperatures for brief time intervals.

All Weico's SAW tubings meet the requirements of MIL-I- 23053/4 Class 2.

The Weico SAW Series are irradiated multiple wall, flexible and flame retardant polyolefin heat shrink tubings and are lined with a thin layer of special thermoplastic adhesive. When the SAW tubing has heat applied to it in excess of 121°C (250°F), the outer tubing shrinks and conforms to the unit to be covered, while the inner wall of adhesive melts and flows to provide a moisture and corrosion resistant seal.

The SAW multiple wall tubing is ideally suited for applications where moisture protection of wire splices or bundling of wires is required.



## KYNAR\* TUBING



WEICO'S Kynar is an irradiated, thin-wall, heat-shrinkable tubing offering a high degree of mechanical strength and high-temperature resistance. Kynar is fabricated from polyvinylidene fluoride, hence, its outstanding abrasion resistance and cut-through properties in combination with high dielectric strength. Kynar is inherently flame-retardant and semi-rigid. It is highly resistant to most industrial fuels, chemicals and solvents.

Kynar tubings are recommended for shrink-fit protection and strain relief of wires, solder joints, terminals and connections. Suggested applications include automotive wiring, jackets, fuse coverings and military wire markers. Because the tubing is transparent, it affords see-thru inspection and identification when used as a jacketing for components such as resistors and capacitors, Kynar tubings are readily marked by hot-stamp and print-wheel equipment.

Kynar tubings are rated for continuous operation from -55°C (-67°F) to +175°C (+347°F). The tubings will withstand higher operating temperatures for short time intervals.

Minimum shrink temperature for Kynar tubings is +175°C (+347°F).

Kynar tubings meet the requirements of MIL-I-23053/8, AMS 3632, and are U.L. recognized for 600 volts @ 150°C; U.L. VW-1 rated.

### CHARACTERISTICS:

- High Mechanical Strength
- High Temperature

WEICO NO.	MILITARY NO.	SIZE (INCHES)	EXPANDED I.D. MINIMUM (INCHES)	RECOVERED I.D. MAXIMUM (INCHES)	RECOVERED NOM. WALL THICKNESS (INCHES)
SKY-3/64	M23053/8-001-C	3/64	.046	.023	.010
SKY-1/16	M23053/8-002-C	1/16	.063	.031	.010
SKY-3/32	M23053/8-003-C	3/32	.093	.046	.010
SKY-1/8	M23053/8-004-C	1/8	.125	.062	.010
SKY-3/16	M23053/8-005-C	3/16	.187	.093	.010
SKY-1/4	M23053/8-006-C	1/4	.250	.125	.012
SKY-3/8	M23053/8-007-C	3/8	.375	.187	.012
SKY-1/2	M23053/8-008-C	1/2	.500	.250	.012
SKY-3/4	M23053/8-009-C	3/4	.750	.375	.017
SKY-1	M23053/8-010-C	1	1.000	.500	.019
SKY-1 1/2	M23053/8-011-C	1 1/2	1.500	.750	.020

**Standard Put-Ups: 4 ft. Lengths**

**COLOR:** Clear

\* Pennwalt Chemical Registered Trademark

## NEOPRENE TUBING



NEOPRENE very flexible, self-extinguishing, modified polychloroprene tubings combining a high degree of mechanical toughness and oil-resistance with 121°C continuous operating temperature.

WEICO'S Neoprene heat-shrinkable tubings are recommended for applications requiring a tough, highly flexible covering. Neoprene tubings are thick-walled, and provide superior cut-through and abrasion resistance. The tubings are unaffected by common fluids and solvents. Resistance to oils is excellent.

Neoprene tubings maintain flexibility at low temperatures. The tubings are particularly useful for the fabrication and repair of flexible harnesses and wire bundles and for covering of hydraulic couplings. The superior mechanical properties of Neoprene tubings make them ideal choices for the jacketing of cable harnesses and custom-made cables that must operate in severe environmental conditions. Neoprene tubings are rated for continuous operation from -70°C (-94°F) to +121°C (+250°F). The tubings will withstand higher operating temperatures for short time intervals.

WEICO NO.	MILITARY NO.	SIZE (INCHES)	EXPANDED I.D. MINIMUM (INCHES)	RECOVERED I.D. MAXIMUM (INCHES)	RECOVERED NOM. WALL THICKNESS (INCHES)
SNE-1/8	—	1/8	.125	.072	.030
SNE-3/16	—	3/16	.187	.106	.035
SNE-1/4	M23053/1-201-0	1/4	.250	.125	.035
SNE-3/8	M23053/1-202-0	3/8	.375	.187	.040
SNE-1/2	M23053/1-203-0	1/2	.500	.250	.048
SNE-5/8	M23053/1-204-0	5/8	.625	.312	.052
SNE-3/4	M23053/1-205-0	3/4	.750	.375	.057
SNE-7/8	M23053/1-206-0	7/8	.875	.437	.065
SNE-1	M23053/1-207-0	1	1.000	.500	.070
SNE-1 1/4	M23053/1-208-0	1 1/4	1.250	.612	.087
SNE-1 1/2	M23053/1-209-0	1 1/2	1.500	.750	.095
SNE-1 3/4	M23053/1-210-0	1 3/4	1.750	.875	.107
SNE-2	M23053/1-211-0	2	2.000	1.000	.110
SNE-3	M23053/1-212-0	3	3.000	1.500	.125

**COLOR:** Black

**Standard Put-Ups: Spools**

Minimum shrinkage temperature for neoprene tubings is +135°C (+275°F)

Neoprene tubings can be readily marked by hot-stamp and print-wheel methods.

Neoprene tubings are self-extinguishing and meet the requirements of MIL-I-23053/1 Class 1 & 2; MIL-R-46846, Type 1, Class 1 and AMS 3623.

## IRRADIATED POLYOLEFIN MULTIPLE WALL, INNER WALL MELTS



WEICO'S SMW Tubings are rated for continuous operation at temperatures from -55°C to +110°C and will withstand higher operating temperatures for brief time intervals.

WEICO'S SMW Tubings meet the requirements of AMS 3634 and MIL-I-23053/4, Class 1.

WEICO'S SMW is a semi-rigid, 110°C heat shrinkable polyolefin tubing that is co-extruded and selectively cross-linked to provide an integral, meltable inner wall.

WEICO NO.	MILITARY NO.	EXPANDED I.D. MINIMUM (INCHES)	RECOVERED I.D. MAXIMUM (INCHES)	RECOVERED NOM. WALL THICKNESS TOTAL WALL (INCHES)	MELTABLE WALL NOM. (INCHES)
SMW-1/8	M23053/4-101-0	.125	.023	.038	.020
SMW-3/16	M23053/4-102-0	.187	.060	.043	.025
SMW-1/4	M23053/4-103-0	.250	.080	.047	.027
SMW-3/8	M23053/4-104-0	.375	.135	.050	.030
SMW-1/2	M23053/4-105-0	.500	.195	.055	.035
SMW-3/4	M23053/4-106-0	.750	.313	.065	.040
SMW-1	M23053/4-107-0	1.000	.400	.075	.040

**COLOR:** Black

**Standard Put-Ups: 4 ft. Lengths**

On the application of heat in excess of 135°C WEICO'S SMW Tubing automatically shrinks and closely conforms to the contours of the underlying substrate. The inner meltable wall of the tubing is simultaneously softened and forced by the shrink action into intimate contact with all underlying surfaces, interstices and small voids. Upon cooling, the installed SMW Tubing represents a tough protective and insulating barrier, highly resistant to penetration by moisture and the attack of chemicals and solvents.



# CONDUCTOR DATA (SOLID, BARE)

GAUGE	NOMINAL O.D. INCHES	AREA (CIRCULAR MILS)	WEIGHT (LBS/MFT)	RESISTANCE @ 20°C (Ω/1000 FT)
10	.1019	10380.0	31.43	.9989
11	.0907	8234.0	24.92	1.260
12	.0808	6530.0	19.77	1.588
13	.0720	5178.0	15.68	2.003
14	.0641	4107.0	12.43	2.525
15	.0571	3260.0	9.858	3.184
16	.0508	2583.0	7.818	4.016
17	.0453	2050.0	6.200	5.064
18	.0403	1620.0	4.917	6.385
19	.0359	1200.0	3.899	8.051
20	.0320	1020.0	3.092	10.15
21	.0285	812.1	2.452	12.80
22	.0253	640.4	1.945	16.14
23	.0226	511.5	1.542	20.36
24	.0201	404.0	1.223	25.67
25	.0179	320.4	.9699	32.37
26	.0159	253.0	.7692	40.81
27	.0142	201.5	.6100	51.47
28	.0126	159.8	.4837	64.90
29	.0113	126.7	.3836	81.83
30	.0100	100.5	.3042	103.2
31	.0089	79.7	.2413	130.1
32	.0080	63.21	.1913	164.1
33	.0071	50.13	.1517	206.9
34	.0063	39.75	.1203	260.9
35	.0056	31.52	.09542	331.0
36	.0050	25.00	.07568	414.8
37	.0045	19.83	.0613	512.1
38	.0040	15.72	.04759	648.6
39	.0035	12.20	.03774	847.8
40	.0031	9.61	.02993	1080.0

Information from National Bureau of Standards Copper Wire Tables-Handbook 100.



# CONDUCTOR DATA (STRANDED, TINNED)

GAUGE	STRANDS	NOMINAL O.D. OF STRAND	NOMINAL O.D. (INCHES)	AREA (CIRCULAR MILS)	WEIGHT (LBS/MFT)	RESISTANCE @ 20°C (Ω/1000 FT)
32	7/40	.0031	.0093	67.27	.203	164.0
32	19/44	.002	.010	76.00	.230	136.4
30	7/38	.004	.012	112.00	.339	103.2
30	19/42	.0025	.012	118.75	.359	87.3
28	7/36	.005	.015	175.00	.529	64.9
28	19/40	.0031	.016	182.59	.553	56.7
26	7/34	.0063	.019	277.83	.841	37.3
26	10/36	.0050	.021	250.00	.757	41.48
26	19/38	.0040	.020	304.00	.920	34.43
24	7/32	.008	.024	448.00	1.356	23.3
24	10/34	.0063	.024	396.90	1.201	26.09
24	19/36	.0050	.024	475.00	1.430	21.08
24	41/40	.0031	.023	394.01	1.160	25.59
22	7/30	.0100	.030	700.00	2.120	14.74
22	19/34	.0063	.031	754.11	2.28	13.73
22	26/36	.0050	.030	650.00	1.97	15.94
20	7/28	.0126	.038	1,119.00	3.46	10.30
20	10/30	.0100	.037	1,000.00	3.025	10.32
20	19/32	.0080	.037	1,216.00	3.68	8.63
20	26/34	.0063	.036	1,031.94	3.12	10.05
20	41/36	.0050	.036	1,025.00	3.10	10.02
18	7/26	.0159	.048	1,769.60	5.36	5.86
18	16/30	.0100	.047	1,600.00	4.84	6.48
18	19/30	.0100	.049	1,900.00	5.75	5.46
18	41/34	.0063	.047	1,627.29	4.92	6.37
18	65/36	.0050	.047	1,625.00	4.91	6.39
16	7/24	.0201	.060	2,828.00	8.56	3.67
16	19/29	.0113	.058	2,426.30	7.35	4.27
16	26/30	.0100	.059	2,600.00	7.87	4.00
16	65/34	.0063	.059	2,579.85	7.81	4.02
16	105/36	.0050	.059	2,625.00	7.95	3.99
14	7/22	.0253	.076	4,480.00	13.56	2.31
14	19/27	.0142	.071	3,830.40	11.59	2.70
14	41/30	.0100	.075	4,100.00	12.40	2.53
14	105/34	.0063	.075	4,167.50	12.61	2.49
12	7/20	.0320	.096	7,168.00	21.69	1.45
12	19/25	.0179	.093	6,087.60	18.43	1.70
12	65/30	.0100	.095	6,500.00	19.66	1.75
10	37/26	.0159	.115	9,353.60	28.31	1.11
10	65/28	.0126	.120	10,319.40	31.90	1.09
10	105/30	.0100	.118	10,500.00	31.76	.98

Information from National Bureau of Standards Copper Wire Tables-Handbook 100.



# CABLE COLOR CODES

## CHART A

CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR
1-Black	6-Blue	11-White/Black	16-White/Brown
2-White	7-Brown	12-White/Red	17-White/Purple
3-Red	8-Orange	13-White/Green	18-White/Slate
4-Green	9-Slate	14-White/Yellow	19-Black/Red
5-Yellow	10-Purple	15-White/Blue	20-Black/Yellow

## CHART B

PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION	PAIR NO.	COLOR COMBINATION
1	Black paired with Red	8	Red paired with White	15	Green paired with Blue	22	White paired with Orange
2	Black paired with White	9	Green paired with Yellow	16	Green paired with Brown	23	White paired with Yellow
3	Black paired with Green	10	Red paired with Blue	17	Green paired with Brown	24	Blue paired with Brown
4	Black paired with Blue	11	Red paired with Yellow	18	Green paired with Orange	25	Blue paired with Orange
5	Black paired with Yellow	12	Red paired with Brown	19	White paired with Blue	26	Brown paired with Yellow
6	Black paired with Brown	13	Red paired with Orange	20	White paired with Yellow	27	Brown paired with Orange
7	Black paired with Orange	14	Green paired with White	21	White paired with Brown		

## CHART C

CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR
1-Black	14-Red/Yellow	27-White/Black/Yellow	40-White/Green/Black
2-Red	15-Red/Black	28-White/Black/Blue	41-White/Green/Red
3-White	16-White/Black	29-White/Black/Brown	42-White/Green/Green
4-Green	17-White/Red	30-White/Black/Orange	43-White/Green/Blue
5-Orange	18-White/Green	31-White/Black/Slate	44-White/Green/Brown
6-Blue	19-White/Yellow	32-White/Black/Purple	45-White/Green/Purple
7-Brown	20-White/Blue	33-White/Black/Black	46-White/Blue/Black
8-Yellow	21-White/Brown	34-White/Red/Black	47-White/Blue/Red
9-Purple	22-White/Orange	35-White/Red/Red	48-White/Blue/Green
10-Slate	23-White/Gray	36-White/Red/Green	49-White/Blue/Blue
11-Pink	24-White/Violet	37-White/Red/Blue	50-White/Blue/Brown
12-Tan	25-White/Black/Red	38-White/Red/Brown	
13-Red/Green	26-White/Black/Green	39-White/Red/Purple	

## CHART D

CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR
1-Black	4-Green	7-Orange	10-Gray
2-White	5-Brown	8-Yellow	11-Pink
3-Red	6-Blue	9-Purple	12-Tan

## CHART E

CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR	CONDUCTOR COLOR
1-Black	14-Green/White	27-Blue/Black/White	40-Red/White/Green
2-White	15-Blue/White	28-Black/Red/Green	41-Green/White/Blue
3-Red	16-Black/Red	29-White/Red/Green	42-Orange/Red/Green
4-Green	17-White/Red	30-Red/Black/Green	43-Blue/Red/Green
5-Orange	18-Orange/Red	31-Green/Black/Orange	44-Black/White/Blue
6-Blue	19-Blue/Red	32-Orange/Black/Green	45-White/Black/Blue
7-White/Black	20-Red/Green	33-Blue/White/Orange	46-Red/White/Blue
8-Red/Black	21-Orange/Green	34-Black/White/Orange	47-Green/Orange/Red
9-Green/Black	22-Black/White/Red	35-White/Red/Orange	48-Orange/Red/Blue
10-Orange/Black	23-White/Black/Red	36-Orange/White/Blue	49-Blue/Red/Orange
11-Blue/Black	24-Red/Black/White	37-White/Red/Blue	50-Black/Orange/Red
12-Black/White	25-Green/Black/White	38-Black/White/Green	
13-Red/White	26-Orange/Black/White	39-White/Black/Green	



# CABLE COLOR CODES

## CHART F

Base No.	Color	1st Stripe	2nd Stripe	3rd Stripe	Base No.	Color	1st Stripe	2nd Stripe	3rd Stripe	Base No.	Color	1st Stripe	2nd Stripe	3rd Stripe
1	Black				35	White	Red	Orange		69	White	Black	Orange	Green
2	Brown				36	White	Red	Yellow		70	White	Black	Orange	Blue
3	Red				37	White	Red	Green		71	White	Black	Orange	Violet
4	Orange				38	White	Red	Blue		72	White	Black	Orange	Gray
5	Yellow				39	White	Red	Violet		73	White	Black	Yellow	Green
6	Green				40	White	Red	Gray		74	White	Black	Yellow	Blue
7	Blue				41	White	Orange	Yellow		75	White	Black	Yellow	Violet
8	Violet				42	White	Orange	Green		76	White	Black	Yellow	Gray
9	Gray				43	White	Orange	Blue		77	White	Black	Green	Blue
10	White				44	White	Orange	Violet		78	White	Black	Green	Violet
11	White	Black			45	White	Orange	Gray		79	White	Black	Green	Gray
12	White	Brown			46	White	Yellow	Green		80	White	Black	Blue	Violet
13	White	Red			47	White	Yellow	Blue		81	White	Black	Blue	Gray
14	White	Orange			48	White	Yellow	Violet		82	White	Black	Violet	Gray
15	White	Yellow			49	White	Yellow	Gray		83	White	Brown	Red	Orange
16	White	Green			50	White	Green	Blue		84	White	Brown	Red	Yellow
17	White	Blue			51	White	Green	Violet		85	White	Brown	Red	Green
18	White	Violet			52	White	Green	Gray		86	White	Brown	Red	Blue
19	White	Gray			53	White	Blue	Violet		87	White	Brown	Red	Violet
20	White	Black	Brown		54	White	Blue	Gray		88	White	Brown	Red	Gray
21	White	Black	Red		55	White	Violet	Gray		89	White	Brown	Orange	Yellow
22	White	Black	Orange		56	White	Black	Brown	Red	90	White	Brown	Orange	Green
23	White	Black	Yellow		57	White	Black	Brown	Orange	91	White	Brown	Orange	Blue
24	White	Black	Green		58	White	Black	Brown	Yellow	92	White	Brown	Orange	Violet
25	White	Black	Blue		59	White	Black	Brown	Green	93	White	Brown	Orange	Gray
26	White	Black	Blue	Violet	60	White	Black	Brown	Blue	94	White	Brown	Yellow	Green
27	White	Black	Gray		61	White	Black	Brown	Violet	95	White	Brown	Yellow	Blue
28	White	Brown	Red		62	White	Black	Brown	Gray	96	White	Brown	Yellow	Violet
29	White	Brown	Orange		63	White	Black	Red	Yellow	97	White	Brown	Yellow	Gray
30	White	Brown	Yellow		64	White	Black	Red	Green	98	White	Brown	Green	Blue
31	White	Brown	Green		65	White	Black	Red	Blue	99	White	Brown	Green	Violet
32	White	Brown	Blue		66	White	Black	Red	Violet	100	White	Brown	Green	Gray
33	White	Brown	Violet		67	White	Black	Red	Gray					
34	White	Brown	Gray		68	White	Black	Orange	Yellow					

## CHART G

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White paired with Black	27	Red paired with Green	53	White/Black paired with Violet	78	White/Orange paired with Green
2	White paired with Brown	28	Red paired with Blue	54	White/Black paired with Gray	79	White/Orange paired with Blue
3	White paired with Red	29	Red paired with Violet	55	White/Brown paired with Black	80	White/Orange paired with Violet
4	White paired with Orange	30	Red paired with Gray	56	White/Brown paired with Brown	81	White/Orange paired with Gray
5	White paired with Yellow	31	Orange paired with Yellow	57	White/Brown paired with Red	82	White/Yellow paired with Black
6	White paired with Green	32	Orange paired with Green	58	White/Brown paired with Orange	83	White/Yellow paired with Brown
7	White paired with Blue	33	Orange paired with Blue	59	White/Brown paired with Yellow	84	White/Yellow paired with Red
8	White paired with Violet	34	Orange paired with Violet	60	White/Brown paired with Green	85	White/Yellow paired with Orange
9	White paired with Gray	35	Orange paired with Gray	61	White/Brown paired with Blue	86	White/Yellow paired with Yellow
10	Black paired with Brown	36	Yellow paired with Green	62	White/Brown paired with Violet	87	White/Yellow paired with Green
11	Black paired with Red	37	Yellow paired with Blue	63	White/Brown paired with Gray	88	White/Yellow paired with Blue
12	Black paired with Orange	38	Yellow paired with Violet	64	White/Red paired with Black	89	White/Yellow paired with Violet
13	Black paired with Yellow	39	Yellow paired with Gray	65	White/Red paired with Brown	90	White/Yellow paired with Brown
14	Black paired with Green	40	Green paired with Blue	66	White/Red paired with Red	91	White/Green paired with Black
15	Black paired with Blue	41	Green paired with Violet	67	White/Red paired with Orange	92	White/Green paired with Brown
16	Black paired with Violet	42	Green pair with Gray	68	White/Red paired with Yellow	93	White/Green paired with Red
17	Black paired with Gray	43	Blue paired with Violet	69	White/Red paired with Green	94	White/Green paired with Orange
18	Brown paired with Red	44	Blue paired with Gray	70	White/Red paired with Blue	95	White/Green paired with Yellow
19	Brown paired with Orange	45	Violet paired with Gray	71	White/Red paired with Violet	96	White/Green paired with Green
20	Brown paired with Yellow	46	White/Black paired with Black	72	White/Red paired with Gray	97	White/Green paired with Blue
21	Brown paired with Green	47	White/Black paired with Brown	73	White/Orange paired with Black	98	White/Green paired with Violet
22	Brown paired with Blue	48	White/Black paired with Red	74	White/Orange paired with Brown	99	White/Green paired with Gray
23	Brown paired with Violet	49	White/Black paired with Orange	75	White/Orange paired with Red	100	White/Blue paired with Black
24	Brown paired with Gray	50	White/Black paired with Yellow	76	White/Orange paired with Orange	101	White/Blue paired with Brown
25	Red paired with Orange	51	White/Black paired with Green	77	White/Orange paired with Yellow	102	White/Blue paired with Red
26	Red paired with Yellow	52	White/Black paired with Blue				

