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## **ABOUT US...**

**Galaxy is a young, progressive wire and cable company that supplies a full range of wire, cable and tubing products to the commercial and military markets. We specialize in custom custom constructions and can assist you in designing a wire or cable that will meet your particular specifications.**

**Providing unsurpassed service and customer satisfaction are the two goals that we strive to achieve on a daily basis. Galaxy is willing to go the “extra mile”!**



## HOOK-UP WIRE Type B, MIL-W-16878/1, PVC Insulated

	Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. Wall Thickness	Nom. O.D. (inches)
<b>DESCRIPTION:</b>	B307-X	M16878/1BBB-X	30	7/38	.010	.032
• Stranded or Solid Tinned Copper, Color Coded Polyvinyl chloride Insulation	B287-X	M16878/1BCB-X	28	7/36	.010	.034
	B261-X	M16878/1BDA-X	26	SOLID	.010	.036
<b>CHARACTERISTICS:</b>	B267-X	M16878/1BDB-X	26	7/34	.010	.038
• Temperature Rating: -55° C to +105°C	B2619-X	M16878/1BDE-X	26	19/38	.010	.038
• Voltage Rating: 600 Volts	B241-X	M16878/1BEA-X	24	SOLID	.010	.040
• Passes UL VW-1 Flame Test	B247-X	M16878/1BEB-X	24	7/32	.010	.043
	B2419-X	M16878/1BEE-X	24	19/36	.010	.043
	B221-X	M16878/1BFA-X	22	SOLID	.010	.045
	B227-X	M16878/1BFB-X	22	7/30	.010	.050
	B2219-X	M16878/1BFE-X	22	19/34	.010	.050
	B207-X	M16878/1BGB-X	20	7/28	.010	.058
	B2019-X	M16878/1BGE-X	20	19/32	.010	.058
	B187-X	M16878/1BHB-X	18	7/26	.010	.068
	B1819-X	M16878/1BHE-X	18	19/30	.010	.068
	B1619-X	M16878/1BJE-X	1416	19/29	.010	.077
	B1419-X	M16878/1BKE-X	14	19/27	.010	.091

## HOOK-UP WIRE Type C, MIL-W-16878/2, PVC Insulated

	Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. Wall Thickness	Nom. O.D. (inches)
<b>DESCRIPTION:</b>	C241-X	M16878/2BEA-X	24	SOLID	.016	.052
• Stranded or Solid Tinned Copper, Color Coded Polyvinyl chloride Insulation	C247-X	M16878/2BEB-X	24	7/32	.016	.058
	C221-X	M16878/2BFA-X	22	SOLID	.016	.057
<b>CHARACTERISTICS:</b>	C227-X	M16878/1BFB-X	22	7/30	.016	.064
• Temperature Rating: -55° C to + 105°C	C201-X	M16878/2BGA-X	20	SOLID	.016	.064
• Voltage Rating: 1000 Volts	C207-X	M16878/2BGB-X	20	7/28	.016	.072
• Passes UL VW-1 Flame Test	C187-X	M16878/2BHB-X	18	7/26	.016	.082
	C1619-X	M16878/2BJE-X	16	19/29	.016	.091
	C1419-X	M16878/2BKE-X	14	19/27	.016	.105
	C1219-X	M16878/2BLE-X	12	19/25	.016	.124

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

**X Denotes 0-9 color coding**

Any of these above colors are available in any combination of stripes up to a maximum of three stripes



## HOOK-UP WIRE Type D, MIL-W-16878/3, PVC Insulated

**DESCRIPTION:**

- Stranded or Solid Tinned Copper, Color Coded Polyvinyl chloride Insulation

**CHARACTERISTICS:**

- Temperature Rating: -55° C to +105° C
- Voltage Rating: 3000 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Military No.	Size	Conductor Strand	Nom. Wall Thickness	Nom. O.D. (inches)
D247-X	M16878/3BEB-X	24	7/32	.029	.082
D227-X	M16878/3BFB-X	22	7/30	.029	.088
D207-X	M16878/3BGB-X	20	7/28	.029	.096
D187-X	M16878/3BHB-X	18	7/26	.029	.106
D169-X	M16878/3BJE-X	16	19/29	.029	.115
D1419-X	M16878/3BKE-X	14	19/27	.029	.129
D1219-X	M16878/3BLE-X	12	19/25	.034	.158
D1037-X	M16878/3BMG-X	10	37/26	.037	.185
D8133-X	M16878/3BNL-X	8	133/29	.040	.247
D6133-X	M16878/3BPL-X	6	133/27	.040	.290
D4133-X	M16878/3BRL-X	4	133/25	.046	.358
D2133-X	M16878/3BSP-X	2	665/30	.046	.432

## HOOK-UP WIRE UL1007, UL1569, CSA TR-64, PVC Insulated

**DESCRIPTION:**

- Stranded Tinned Copper, Color Coded Polyvinyl chloride Insulation, .016" nom. Insulation Thickness

**CHARACTERISTICS:**

- Temperature Range: -40° C to+ 105° C
- Voltage Rating: 300 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Size	Conductor Strand	Nom. O.D. (inches)
1007267-X	26	7/34	.051
1007247-X	24	7/32	.057
1007227-X	22	7/30	.064
10072010-X	20	10/30	.072
10071816-X	18	16/30	.082
10071626-X	16	26/30	.095
10071441-X	14	41/30	.110

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 1= Brown    4= Yellow    7= Violet  
 2= Red    5= Green    8= Gray

**X Denotes 0-9 color coding**

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## HOOK-UP WIRE UL1015, UL 1028, UL 1283, MTW, CSA TEW, PVC Insulated

**DESCRIPTION:**

- Stranded or Solid Tinned Copper, Color Coded Polyvinyl chloride Insulation, .032" nom. Insulation Thickness

**CHARACTERISTICS:**

- Temperature Rating: -40° C to +105°C
- Voltage Rating: 600 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Size	Conductor Strand	Nom. O.D. (inches)
1015247-X	24	7/32	.088
1015227-X	22	7/30	.095
10152010-X	20	10/30	.102
10151816-X	18	16/30	.112
10151626-X	16	26/30	.125
10151441-X	14	41/30	.142
10151265-X	12	65/30	.156
101510105-X	10	105/30	.184
10288133-X	8	133/29	.262
12836133-X	6	133/27	.330
12834133-X	4	133/25	.390

## HOOK-UP WIRE PVC • Polyolefin Insulated, UL1061 Semi-Rigid, CSA SR-PVC

**DESCRIPTION:**

- Stranded Tinned Copper, Color Coded Semi-Rigid Polyvinyl chloride Insulation

**CHARACTERISTICS:**

- Temperature Rating: -10° C to + 80°C
- Voltage Rating: 300 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Size	Conductor Strand	Nom. Wall Thickness	Nom. O.D. (inches)
1061267-X	26	7/34	.010	.038
1061247-X	24	7/32	.010	.042
1061227-X	22	7/30	.010	.048
1061207-X	20	7/28	.010	.056
1061218-X	18	7/26	.010	.068

**APPLICATION:**

Internal Wiring of Computers, Electric bookkeeping , Accounting machines and other Office and Control Equipment.

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

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## HOOK-UP WIRE UL1429, CSA Irradiated, PVC Insulated

**DESCRIPTION:**

- Stranded Tinned Copper, Color Coded  
Irradiated PVC, .010" Nominal Wall

**CHARACTERISTICS:**

- Temperature Rating: -40° C to +80°C
- Voltage Rating: 150 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Size	Conductor Strand	Nom. O.D. (inches)
1429287-X	28	7/36	.035
1429267-X	26	7/34	.038
1429247-X	24	7/32	.043
14292419-X	24	19/36	.043
1429227-X	22	7/30	.050
14292219-X	22	19/34	.050
1429207-X	20	7/28	.058
14292019-X	20	19/32	.058
1429187-X	18	7/26	.068
14291819-X	18	19/30	.068
14291619-X	16	19/28	.077
14291419-X	14	19/27	.095

## HOOK-UP WIRE UL1430, CSA FR-1 Irradiated, PVC Insulated

**DESCRIPTION:**

- Stranded Tinned Copper, Color Coded  
Irradiated PVC, .017" Nominal Wall

**CHARACTERISTICS:**

- Temperature Rating: -55° C to +105°C
- Voltage Rating: 300 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Size	Conductor Strand	Nom. O.D. (inches)
1430247-X	24	7/32	.058
14302419-X	24	19/36	.058
1430227-X	22	7/30	.064
14302219-X	22	19/34	.064
1430207-X	20	7/28	.072
14302019-X	20	19/32	.072
1430187-X	18	7/26	.082
14301819-X	18	19/30	.082
14301619-X	16	19/28	.091
14301419-X	14	19/27	.105
14301219-X	12	19/25	.124

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                  2= Red       5= Green    8= Gray

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## HOOK-UP WIRE UL1431, FR-1 CSA Irradiated, PVC Insulated

**DESCRIPTION:**

- Stranded Tinned Copper, Color Coded Irradiated PVC, .032" Nominal Wall

**CHARACTERISTICS:**

- Temperature Rating: -55° C to +105°C
- Voltage Rating: 600 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Conductor Size	Strand	Nom. O.D. (inches)
1431247-X	24	7/32	.088
14312419-X	24	19/36	.089
1431227-X	22	7/30	.094
14312219-X	22	19/34	.096
1431207-X	20	7/28	.102
14312019-X	20	19/32	.104
1431187-X	18	7/26	.112
14311819-X	18	19/30	.114
14311619-X	16	19/28	.123
14311419-X	14	19/27	.138
14311219-X	12	19/25	.217
14311037-X	10	37/26	.241
14318133-X	8	133/39	.327
14316133-X	6	133/27	.407
14314133-X	4	133/25	.463

## HOOK-UP WIRE THHN Universal Circuit Wire, PVC/Nylon

**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: +105°C
- Voltage Rating: 600 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Cond. Size (AWG) & Stranding	Insulation Thickness	Nominal Jacket Thickness	Nom. O.D. (inches)
THHN181-X	# 18 Solid	.015	.004	.082
THHN161-X	#16 Solid	.015	.004	.089
THHN141-X	#14 Solid	.015	.004	.110
THHN121-X	#12 Solid	.015	.004	.125
THHN101-X	#10 Solid	.020	.004	.155
THHN1819-X	#18 (19)	.015	.004	.090
THHN1619-X	#19 (19)	.015	.004	.100
THHN1419-X	#14 (19)	.015	.004	.116
THHN1219-X	#12 (19)	.015	.004	.135
THHN1019-X	#10 (19)	.020	.004	.170
THHN819-X	#8 (19)	.030	.005	.225
THHN619-X	#6 (19)	.030	.005	.260
THHN419-X	#4 (19)	.040	.006	.335
THHN219-X	#2 (19)	.040	.006	.400
THHN119-X	#1 (19)	.050	.007	.450

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 2= Red    5= Green    8= Gray

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## HOOK-UP WIRE Type E M16878/4, PTFE Teflon® Insulated

	Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. Wall Thickness	Nom. O.D. (inches)
<b>DESCRIPTION:</b>	E327-X	M16878/4BAB-X	32	7/40	.010	.030
• Solid/Stranded Silver Plated Copper, Extruded TFE Teflon® Insulation	E307-X	M16878/4BBB-X	30	7/38	.010	.032
<b>CHARACTERISTICS:</b>	E301-X	M16878/4BBA-X	30	Solid	.010	.030
• Temperature Rating: MIL-W-16878: -60° C to +200°C UL 1213: +105° C	E281-X	M16878/4BCA-X	28	Solid	.010	.033
• Voltage Rating: MIL-W-16878: 600 Volts UL1213: Not Rated	E287-X	M16878/4BCB-X	28	7/36	.010	.036
• Passes UL VW-1 Flame Test	E2819-X	M16878/4BCE-X	28	19/40	.010	.036
	E261-X	M16878/4BDA-X	26	Solid	.010	.036
	E267-X	M16878/4BDB-X	26	7/34	.010	.040
	E2619-X	M16878/4BDE-X	26	19/38	.010	.041
	E241-X	M16878/4BEA-X	24	Solid	.010	.040
	E247-X	M16878/4BEB-X	24	7/32	.010	.044
	E2419-X	M16878/4BEE-X	24	19/36	.010	.045
	E221-X	M16878/4BFA-X	22	Solid	.010	.045
	E227-X	M16878/4BFB-X	22	7/30	.010	.050
	E2219-X	M16878/4BFE-X	22	19/34	.010	.051
	E201-X	M16878/4BGA-X	20	Solid	.010	.052
	E207-X	M16878/4BGB-X	20	7/28	.010	.058
	E2019-X	M16878/4BGE-X	20	19/32	.010	.059
	E181-X*	M16878/4BHA-X	18	Solid	.010	.060
	E187-X*	M16878/4BHB-X	18	7/26	.010	.068
	E1819-X*	M16878/4BHE-X	18	19/30	.010	.070
	E1619-X*	M16878/4BJE-X	16	19/29	.010	.077
	E1419-X*	M16878/4BKE-X	14	19/27	.012	.094
	E1219-X*	M16878/4BLE-X	12	19/25	.012	.113
	E1037-X*	M16878/4BMG-X	10	37/26	.012	.134

**NOTE:** AWG 18-10 must be surfaced marked to comply with UL, please specify when ordering.

\*Not UL listed

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

**X Denotes 0-9 color coding**

Any of these above colors are available in any combination of stripes up to a maximum of three stripes



## HOOK-UP WIRE Type EE M16878/5 PTFE Teflon® Insulated

**DESCRIPTION:**

- Stranded Silver Plated Copper, Extruded 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



Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. Wall Thickness	Nom. O.D. (inches)
EE247-X	M16878/5BEB-X	24	7/32	.015	.054
EE2419-X	M16878/5BEE-X	24	19/36	.015	.055
EE227-X	M16878/5BFB-X	22	7/30	.015	.060
EE2219-X	M16878/5BFE-X	22	19/34	.015	.062
EE207-X	M16878/5BGB-X	20	7/28	.015	.068
EE2019-X	M16878/5BGE-X	20	19/32	.015	.070
EE1819-X	M16878/5BHE-X	18	19/30	.015	.080
EE1619-X	M16878/5BJE-X	16	19/29	.015	.089
EE1419-X	M16878/5BKE-X	14	19/27	.017	.106
EE1219-X	M16878/5BLE-X	12	19/25	.017	.124
EE1037-X	M16878/5BMG-X	10	37/26	.017	.145

## HOOK-UP WIRE Type ET M16878/6 PTFE Teflon® Insulated

**DESCRIPTION:**

- Solid/Stranded Silver Plated Copper, Extruded TFE "Teflon"® Insulation

**CHARACTERISTICS:**

- Temperature Rating: -60° C to + 200°C
- Voltage Rating: 250 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. Wall Thickness	Nom. O.D. (inches)
ET321-X	M16878/6BAA-X	32	SOLID	.006	.019
ET327-X	M16878/6BAB-X	32	7/40	.006	.021
ET301-X	M16878/6BBA-X	30	SOLID	.006	.022
ET307-X	M16878/6BBB-X	30	7/38	.006	.024
ET281-X	M16878/6BCA-X	28	SOLID	.006	.025
ET287-X	M16878/6BCB-X	28	7/36	.006	.027
ET2819-X	M16878/6BCE-X	28	19/40	.006	.027
ET261-X	M16878/6BDA-X	26	SOLID	.006	.028
ET267-X	M16878/6BDB-X	26	7/34	.006	.031
ET2619-X	M16878/6BDE-X	26	19/38	.006	.032
ET241-X	M16878/6BEA-X	24	SOLID	.006	.032
ET247-X	M16878/6BEB-X	24	7/32	.006	.036
ET2419-X	M16878/6BEE-X	24	19/36	.006	.037
ET227-X	M16878/6BFB-X	22	7/30	.006	.042
ET2219-X	M16878/6BFE-X	22	19/34	.006	.044

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

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Any of these above colors are available in any combination of stripes up to a maximum of three stripes



## HOOK-UP WIRE MIL-W-22759/11 PTFE Teflon®

**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 and Manufacturer's Code Identification

Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. Wall Thickness	Nom. O.D. (inches)
7591128-X	M22759/11-28-X	28	7/36	.009	.033
7591126-X	M22759/11-26-X	26	19/38	.010	.038
7591124-X	M22759/11-24-X	24	19/36	.010	.043
7591122-X	M22759/11-22-X	22	19/34	.010	.049
7591120-X	M22759/11-20-X	20	19/32	.010	.058
7591118-X	M22759/11-18-X	18	19/30	.010	.068
7591116-X	M22759/11-16-X	16	19/29	.011	.075
7591114-X	M22759/11-14-X	14	19/27	.012	.090
7591112-X	M22759/11-12-X	12	19/25	.014	.111
7591110-X	M22759/11-10-X	10	37/26	.016	.139



## HOOK-UP WIRE UL 1180, PTFE Teflon® Insulated

**DESCRIPTION:**

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

**CHARACTERISTICS:**

- Temperature Rating: -60° C to +200°C
- Voltage Rating: 300 Volts
- Passes UL VW-1 Flame Test

Galaxy Part Number	Size	Conductor Strand	Nom. Wall Thickness	Nom. O.D. (inches)
11802419-X	24	19/36	.015	.054
11802219-X	22	19/34	.015	.060
11802019-X	20	19/32	.015	.068
11801819-X	18	19/30	.015	.077
11801619-X	16	19/.0117	.015	.085
11801419-X	14	19/.0147	.015	.099
11801219-X	12	19/.0185	.015	.119
11801010-X	10	37/.0167	.015	.143



## HOOK-UP WIRE UL 1199, PTFE Teflon® Insulated

**DESCRIPTION:**

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

**CHARACTERISTICS:**

- Temperature Rating: -60° C to +200°C
- Voltage Rating: 600 Volts
- Passes UL VW-1 Flame Test

Galaxy Part Number	Size	Conductor Strand	Nom. Wall Thickness	Nom. O.D. (inches)
11992219-X	22	19/34	.022	.074
11992019-X	20	19/32	.022	.082
11921819-X	18	19/30	.022	.091
11991619-X	16	19/.0117	.022	.100
11991419-X	14	19/.0147	.022	.114
11991219-X	12	19/.0185	.022	.133
11991010-X	10	37/.0167	.022	.158



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

**X Denotes 0-9 color coding**

Any of these above colors are available in any combination of stripes up to a maximum of three stripes



## HOOK-UP WIRE M22759/16, TEFZEL® Insulated

**DESCRIPTION:**

- Stranded Tinned Plated Copper, Extruded ETFE TEFZEL® Insulation

**CHARACTERISTICS:**

- Temperature Rating: -65° C to +150°C
- Voltage Rating: 600 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. O.D. (inches)
7591624-X	M22759/16-24-X	24	19/36	.045
7591622-X	M22759/16-22-X	22	19/34	.052
759160-X	M22729/16-20-X	20	19/32	.060
7591618-X	M22759/16-18-X	18	19/30	.071
7591616-X	M22759/16-16-X	16	19/29	.079
7591614-X	M22759/16-14-X	14	19/27	.093
7591612-X	M22759/16-12-X	12	37/28	.114
7591610-X	M22759/16-10-X	10	37/26	.139
759168-X	M22759/16-8-X	8	133/29	.198
759166-X	M22759/16-6-X	6	133/27	.249
759164-X	M22759/16-4-X	4	133/25	.312
759162-X	M22759/16-2-X	2	665/30	.388
759161-X	M22759/16-1-X	1	817/30	.430
7591601-X	M22759/16-01-X	0	1045/30	.478
7591602-X	M22759/16-02-X	00	1330/30	.545

## HOOK-UP WIRE M22759/16, TEFZEL® Insulated

**DESCRIPTION:**

- Stranded Tinned Plated Copper, Extruded ETFE TEFZEL® Insulation

**CHARACTERISTICS:**

- Temperature Rating: -65° C to +150°C
- Voltage Rating: 600 Volts
- Passes UL VW-1 Flame Test



Galaxy Part Number	Military No.	Conductor Size	Strand	Nom. O.D. (inches)
7591826-X	M22759/18-26-X	26	19/38	.023
7591824-X	M22759/18-24-X	24	19/36	.036
7591822-X	M22729/18-22-X	22	19/34	.043
7591820-X	M22759/18-20-X	20	19/32	.051
7591818-X	M22759/18-18-X	18	19/30	.061
7591816-X	M22759/18-16-X	16	19/29	.070
7591814-X	M22759/18-14-X	14	19/27	.085
7591812-X	M22759/18-12-X	12	37/28	.108
7591810-X	M22759/18-10-X	10	37/26	.135

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

**X Denotes 0-9 color coding**

Any of these above colors are available in any combination of stripes up to a maximum of three stripes



## COAXIAL CABLE MIL-C-17 QPL



Galaxy Part Number	Conductor Type & Core O.D.	Shield(s)	Jacket Mat. & O.D.	Nom. Imp. OHM	Temp. Range °C
29RG59	CCS .0226 PE .146	1 BC	PVCN .242	75	-40 + 85
60RG142	SCCS.037 PTFE .116	2 SPC	FEP .195	50	-55 +200
75RG214	SPC 7x.0296 PE .285	2 SPC	PVCN .425	50	-40 +85
90RG71	CCS .0253 Air/Poly .146	2 BC	PE .245	93	-55 +85
93RG178	SCCS 7x.004 PTFE .033	1 SPC	FEP .071	50	-55 +200
93-00001	SCCS 7x.004 PTFE .033	1 SPC	PFA .071	50	-55 +230
94RG179	SCCS 7x.004 PTFE .063	1 SPC	FEP .100	75	-55 +200
95RG180	SCCS 7x.004 PTFE 102	1 SPC	FEP .141	95	-55 +200
110RG302	SCCS .0253 PTFE .146	1 SPC	FEP .202	75	-55 +200
111RG303	SCCS .037 PTFE .116	1 SPC	FEP .170	50	-55 +200
112RG304	SCCS .059 PTFE .185	2 SPC	FEP .280	50	-55 +200
113RG316	SCCS 7x.0067 PTFE .060	1 SPC	FEP .098	50	-55 +200
127RG393	SCCS 7x.0312 PTFE .285	2 SPC	FEP .390	50	-55 +200
128RG400	SPC 19x.008 PTFE .116	2 SPC	FEP .195	50	-55 +200
129RG401	SPC .0641 PTFE .209	Copper Tube	None .250	50	-40 +90
129-00001	SPC .0641 PTFE .209	TC Tube	None .250	50	-40 +90
130RG402	SCCS .0362 PTFE .1175	Copper Tube	None .141	50	-40 +125
130-00001	SCCS .0362 PTFE .1175	TC Tube	None .141	50	-40 +125
130-00002	NCCS .0362 PTFE .1175	Copper Tube	None .141	50	-40 +125
130-00003	NCCS .0362 PTFE .1175	TC Tube	None .141	50	-40 +125
130-000012	SCCS .0362 PTFE .1175	SPC Tube	None .141	50	-40 +125
131RG403	SCCS 7x.004 PTFE .033	1 SPC + FEP+1 SPC	FEP .116	50	-55 +200
133RG405	SCCS .0201 PTFE .066	Copper Tube	None .0865	50	-40 +125

*Continued on next page...*



## COAXIAL CABLE MIL-C-17 QPL



Galaxy Part Number	Conductor Type & Core O.D.	Shield(s)	Jacket Mat. & O.D.	Nom. Imp. OHM	Temp. Range °C
133-00001	SCCS .0201 PTFE .066	TC Tube	None .0865	50	-40 +125
133-00002	SPC .0201 PTFE .066	Copper Tube	None .0865	50	-40 +125
133-00003	SPC .0201 PTFE .066	TC Tube	None .0865	50	-40 +125
136-00001	SCCS 7x.004 PTFE .063	1 SPC	PFA .100	75	-55 +230
137-00001	SCCS 7x.004 PTFE .102	1 SPC	PFA .141	95	-55 +200
138-00001	SCCS 7x.0067 PTFE .060	1 SPC	PFA .098	50	-55 +230
158-00001	SCCS .037 PTFE .115	2 SPC	FEP .195	50	-55 +200
164-00001	SPC 7x.0296 PE .285	2 SPC	PVC .425	50	-40 +85
169-00001	SCCS 7x.004 PTFE .033	1 SPC	FEP .071	50	-55 +200
170-00001	SCCS .037 PTFE .116	1 SPC	FEP .170	50	-55 +200
171-00001	SCCS .059 PTFE .185	2 SPC	FEP .280	50	-55 +200
172-00001	SCCS 7x.0067 PTFE .060	1 SPC	FEP .098	50	-55 +200
174-00001	SPC 7x.0312 PTFE .285	2 SPC	FEP .390	50	-55 +200
175-00001	SPC 19x.008 PTFE .116	2 SPC	FEP .195	50	-55 +200
176-00002	Special (2) PTFE	1 SPC Alloy	PFA .129	77	-55 +200
181-00001	TC 7x.0159 Poly .285	1 BC	CLP .405	75	-30 +85
183-00001	TC 19x.0072 Poly .116	1 TC	CLP .195	50	-30 +85
184-00001	CCS .0226 PE .146	1 BC	CLP .242	75	-30 +85
185-00001	CCS .0253 Air/Poly .146	1 BC	CLP .242	93	-30 +85
189-00001	BC 7x.0296 Poly .285	1 BC	CLP .405	50	-30 +85
190-00001	SPC 7x.0296 PE .285	2 SPC	CLP .425	50	-30 +85
194-00001	SPC .035 Poly .116	2 SPC	CLP .212	50	-30 +85
197-00001	TC 19x.0072 Poly .116	1 TC	CLP .195	50	-30 +85



**BUS BAR Solid Tinned Copper, MIL-W-3861 Type S, QQ-W-343 Type S**

**DESCRIPTION:**

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

**APPLICATION:**

- Point to Point Wiring, Component Leads and Ground Wire



Galaxy Part Number	AWG	Diameter (inches) Nominal	Circular Mill Area CMA	Weight Lbs./M Ft.
301TCBUS	30	0.010	100.5	0.3025
281TCBUS	28	0.0126	159.8	0.483
261TCBUS	26	0.0159	254.1	0.769
241TCBUS	24	0.0201	404.0	1.220
221TCBUS	22	0.0253	642.5	1.950
201TCBUS	20	0.0320	1022	3.090
181TCBUS	18	0.0403	1624	4.920
161TCBUS	16	0.0508	2580	7.820
141TCBUS	14	0.0641	4110	12.84
121TCBUS	12	0.0808	6530	19.84
101TCBUS	10	0.1019	10380	31.52
081TCBUS	8	0.1285	16510	50.09



## FLAT BRAID Tinned Copper



Galaxy Part Number	MIL Spec # QQB575	Nom. Flat Width	Nom. Thickness	Wire AWG	# of Carriers	Ends/Carrier	Total # Of Ends	AWG Equiv.	Circular Mills	AMPS Capacity
221FB		.025"	.015"	36	8	1	8	27	200	4.0
222FB		1/32"	.020"	36	16	1	16	24	400	6.0
223FB	F36T0031	3/64"	.020"	36	24	1	24	22	600	7.0
224FB		3/32"	.020"	36	16	3	48	19	1200	11.0
225FB	F36T0062	3/32"	.031"	36	24	2	48	19	1200	11.0
226FB		7/64"	.020"	36	16	4	64	18	1800	16.0
229FB	F36T0078	1/8"	.020"	36	24	3	72	18	1800	16.0
229/1FB	F36T0109	5/32"	.031"	36	24	4	96	16	2400	19.0
230FB	F36T0125	3/16"	.020"	36	24	5	120	15	3000	25.0
231FB	F36T0171	1/4"	.030"	36	24	7	168	14	4200	32.0
231/1FB	F36T0156	1/4"	.046"	36	24	10	240	12	6000	40.0
231/2FB	F36T0203	9/32"	.046"	36	24	13	312	11	7630	46.0
232FB		3/8"	.030"	36	48	6	288	12	7200	60.0
232/1FB		3/8"	.040"	30	24	5	120	9	12060	40.0
233FB	F36T0375	5/8"	.030"	36	48	8	384	10	9600	53.0
233/1FB	F36T0500	5/8"	.035"	36	48	11	528	9	13200	62.0
233/2FB		1/2"	.030"	36	48	8	384	10	9600	53.0
234FB	F36T0781	3/4"	.040"	36	48	18	864	7	20800	85.0
235FB		1"	.045"	36	48	18	864	7	20800	85.0
236FB		13/16"	.045"	36	48	19	912	7	22800	93.0
236/1FB		7/8"	.050"	36	48	22	1056	6	26400	105.0
237FB		3/4"	.040"	36	24	67	1608	4	40200	125.0
238FB		1 5/8"	.080"	36	48	84	4032	1/0	100800	230.0
240FB	F30T0437	1/2"	.093"	30	24	10	240	6	24000	93.0
242FB	F30T0500	5/8"	.093"	30	24	15	360	5	36000	120.0
244FB		3/4"	.110"	30	24	20	480	3	48000	145.0
246FB		7/8"	.120"	30	24	24	576	3	57600	165.0
248FB		15/16"	.130"	30	24	26	624	2	62400	170.0
250FB		15/16"	.130"	30	24	27	648	2	64800	175.0
252FB		1"	.125"	30	24	32	768	1	76800	195.0

**DESCRIPTION:**

- Tinned Copper Strands Woven and Rolled Flat at Time of Manufacture to Specific Width Depending on Construction

**APPLICATION:**

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



## TUBULAR BRAID Tinned Copper



Galaxy Part Number	MIL Spec # QQB575	Nom. ID Rounded	Wire AWG	# of Carriers	Ends/Carrier	Total # Of Ends	AWG Equiv.	Circular Mills	AMPS Capacity
160TB	R36T0031	1/32"	36	24	1	24	22	600	7.0
162TB	R36T0062	1/16"	36	24	2	48	19	1200	11.0
163TB	R36T0078	5/64"	36	24	3	72	18	1800	16.0
164TB	R36T0109	7/64"	36	24	4	96	16	2400	19.0
166TB	R36T0125	1/8"	36	24	5	120	15	3000	25.0
167TB	R36T0156	5/32"	36	24	10	240	12	6000	40.0
168TB	R36T0171	11/64"	36	24	7	168	14	4200	32.0
170TB	R34T0203	13/64"	34	24	8	192	11	7630	46.0
170/1TB	R36T0203	13/64"	36	24	13	312	11	7800	46.0
171TB	R36T0250	1/4"	36	24	16	384	10	9600	53.0
171/1TB	R30T0281	9/32"	30	24	5	120	9	12060	60.0
171/2TB	R30T0375	3/8"	30	24	7	168	8	16880	75.0
172TB	R36T0375	3/8"	36	48	8	384	10	9600	53.0
173TB	R30T0437	7/16"	30	24	10	240	6	24120	90.0
173/1TB	R30T0500	1/2"	30	24	15	360	5	36180	120.0
174TB	R36T0500	1/2"	36	48	11	528	9	13200	62.0
175TB	R30T0562	9/16"	30	48	10	480	3	48240	145.0
175/1TB	R30T0656	21/32"	30	48	16	768	1	77180	190.0
176TB	R36T0781	25/32"	36	48	18	864	7	21600	88.0
177TB	R30T0875	7/8"	30	48	7	336	5	33770	100.0
178TB	R30T1000	1"	30	48	8	384	4	38600	120.0
179TB	R30T1125	1 1/8"	30	48	9	432	4	43420	130.0
180TB	R30T1250	1 1/4"	30	48	10	480	3	48240	145.0
181TB	R30T1375	1 3/8"	30	48	11	528	3	53060	145.0
182TB	R30T1500	1 1/2"	30	48	12	576	3	57890	145.0
183TB	R30T2000	2"	30	48	14	672	2	67540	180.0
184TB		2 1/4"	30	48	16	768	1	77180	190.0

**DESCRIPTION:**

- Tinned Copper Braid Woven in Completely Round Configuration

**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.



# TUBING Heat Shrink and Sleeving

Material	Specification	Operating Temperature °C
PVC	MIL-1-23053/2 CL2	-20 to 105
PVC	MIL-1-23053/2 CL1	-20 to 105
Polyolefin, Flexible	MIL-1-23053/5 CL 1, 2 & 3	-55 to 135
<b>Thin Wall Polyolefin Heat Shrinkable Tubing</b>		
Polyolefin, Very Flexible	MIL-1-23053/5 CL 1	-55 to 135
Polyolefin, Industrial Grade		-55 to 125
Polyolefin, Very Flexible	MIL-R-46846 Type V	-55 to 135
Polyolefin, Semi-Rigid	MIL-23053/4 CL3	-55 to 135
<b>Multiple Wall Heat Shrinkable Tubing</b>		
PVC		-20 to 105
Polyolefin	MIL-1-23053/4 CL 2	-55 to 110
Polyolefin	MIL-1-23053/4 CL 3	
<b>Special Property Heat Shrinkable Tubing</b>		
PVF	MIL-1-23053/8	-55 to 175
Modified Neoprene	MIL-1-23053/1	-70 to 121
Fluoroelastomer	MIL-1-23053/13	-55 to 200
Polyolefin	MIL-1-23053/15 CL 2	-55 to 110
Polyolefin	MIL-23053/15 CL 2	-50 to 110
<b>PTFE and Heat Shrinkable Tubing</b>		
PTFE	MIL-1-23053/12 CL 3	-85 to 250
PTFE	MIL-1-23053/12 CL 1	-85 to 250
FEP	MIL-1-23053/// CL 1	-85 to 200
FEP	MIL-1-23053/15 CL 2	-85 to 200
<b>Medical and Non-Toxic Heat Shrinkable Tubing</b>		
Acrylated Olefin	USP Class VI	-55 to 121
Acrylated Olefin	USFDA CFR 177.1330	-55 to 121
PVC	USFDA CFR 78.1775	-20 to 90
<b>PVC Sleeving</b>		
PVC	Mil-1-631 D Grade C	-20 to 105
<b>Spiral Cut Cable Wrap</b>		
Polyethylene		-50 to 90
PVC		-20 to 105
Nylon		-85 to 93
PTFE		-85 to 290
<b>PTFE Sleeving</b>		
PTFE	ASTM D 3295-81a CLB	-70 to 250
PTFE	ASTM D 3295-81a CLC	-70 to 250
PTFE	ASTM D 3295-81a CLA	70 to 250
<b>Expandable Sleeving</b>		
Standard, Heavy Wall, Flame Retardant, High Temperature		



# BELDEN/GALAXY Cross Reference

Belden Part Number	Galaxy Part Number
8205	32820
8442	33768
8443	33772
8444	33776
8445	33780
8450	33800
8451	33804
8456	33824
8457	33828
8458	33832
8460	33840
8461	33844
8465	33860
8466	33864
8467	33868
8468	33872
8469	33876
8471	33884
8489	33956
8619	34476
8641	34564
8718	34872
8719	34876
8720	34880
8723	34892
8724	34896
8728	34912
8760	35040
8761	35044
8762	35048
8767	35068
8770	35080
8771	35084
8772	35088
8773	35092
8774	35096
8776	35104
8777	35108
8778	35112
9109	37636
9156	36624
9302	37208
9305	37220
9318	37272
9320	37280
9322	37288
9364	37456
9365	37460
9402	37608
9418	37672
9421	37684
9423	37692

Belden Part Number	Galaxy Part Number
9430	37720
9431	37724
9444	37776
9492	37968
9493	37972
9501	38004
9502	38008
9503	38012
9504	38016
9505	38020
9506	38024
9508	38032
9509	38036
9510	38040
9512	38048
9513	38052
9515	38060
9519	38076
9525	38100
9533	38132
9534	38136
9535	38140
9536	38141
9538	38152
9539	38156
9540	38160
9541	38164
9542	38168
9543	38172
9552	38208
9553	38212
9554	38216
9574	38296
9626	38504
9681	38724
9682	38728
9683	38732
9684	38736
9728	38912
9729	38916
9730	38920
9740	38960
9744	38976
9773	39092
9774	39096
9829	39316
9842	39368
9873	39492
9883	39532
9886	39544
9933	39732



## MOLDED CABLE ASSEMBLIES

In addition to our current product line, Galaxy Wire and Cable, Inc. now offers the following molded assemblies:

- DB25
- DB9
- DB15
- Multiple Output
- Molded Coil
- Mono Stereo
- Molded Din
- Cord Sets
- Specializing in Custom Contractions



Our custom molded assemblies are thoroughly tested for durability, flexibility and continuity. All cables are assembled, tested, potted in a pre-molding process, retested and then final molded. A final test is then performed to ensure absolute continuity. Your part number and company logo can also be added!



## **ENGINEERING PACKAGE: Designing Cables**

Providing the following information is helpful when designing a cable item:

1. Number of conductors: \_\_\_\_\_ Conductors paired?      Yes      No
2. AWG size: \_\_\_\_\_ Stranding: \_\_\_\_\_
3. Are conductors:
  - Tinned copper
  - Bare copper
  - Silver plated copper
  - Nickel plated copper
  - Other \_\_\_\_\_
4. Type of insulation and thickness: (i.e. PVC, Teflon, Silicone, etc.)
5. Shielding: are individual shields required over pairs or individual conductors?
6. What type of shield?
 

	Aluminum foil	Braid	Spiral
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A drain wire is supplied when a foil shield is used. Would you require the foil and drain to be facing inside the conductor bundle or facing outside towards the outer jacket?

7. Jacket: What type of jacketing material and what thickness is desired?
8. Is a UL, CSA or Milspec required?
9. What temperature rating is required? \_\_\_\_\_ Voltage? \_\_\_\_\_
10. What is the overall diameter of the cable? \_\_\_\_\_ Is there a size restriction? \_\_\_\_\_
11. Min. or max. OD requirement?
12. Is flexibility a factor? \_\_\_\_\_ Will cable be flexing continually? \_\_\_\_\_
13. What type of environment will the cable be in? Will it be exposed to sun, water, gas oil, etc.?
14. What is the color code of the conductors or pairs?
15. Would you like the cable to be perfectly round?
16. Are you currently using a cable now?
17. Would you like to change the cable you are now using and why?
18. What specifically would you like to achieve with this new cable?
19. How long of a piece are you working with?