

GS22759-48 80 microinch Silver-Coated Wire, Low Fluoride Copper Conductor, Lightweight, Modified XL- ETFE Insulation

FEATURES

- Low-fluoride wire is ideal for white plague mitigation in space applications
- Wire supplied with 80 microinch-thick silver plating for red plague mitigation in space applications

NOTES

- Wire is made in accordance with AS22759/48.
- Conductor: Type SCA1, 80 microinch silver-coated high-strength copper alloy per SAE-AS29606
- Insulation: Crosslinked modified ETFE, low fluoride
- Wire maximum continuous temperature rating is 200°C (392°F).
- Voltage rating is 600 VRMS at sea level.
- Color code per MIL-STD-681.
- Consult factory for custom stripe color order.
- Consult factory for compliance and qualification results.
- Ink marking is under development and may not meet full abrasion requirements.

Table II: Jacket and Stripe Color Codes

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

HOW TO ORDER

Sample Part Number	GS22759-48	-20	-9	0	1	2
Basic Part Number	GS22759-47					
Wire Size	See Table I					
Jacket Color Code	See Table II					
First Stripe Color Code	(Omit for none) See Table II					
Second Stripe Color Code	(Omit for none) See Table II					
Third Stripe Color Code	(Omit for none) See Table II					

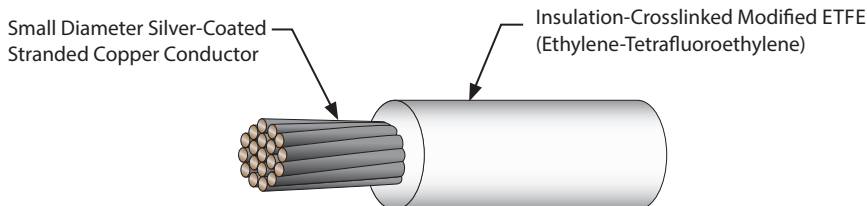


Table I: Part Number and Wire Specifications

Part Number	Wire Size	Stranding (Number of strands x size gage of strands)	Diameter of stranded conductor (inches)		Finished Wire		
			min	max	Resistance at 20°C (68°F) (Ohms/ 1000 ft) max	Diameter (inches)	Weight (lb/1000 ft) max
GS22759-48-30-*	30	7 X 38	.0105	.0124	100.7	.024 ± .002	.66
GS22759-48-28-*	28	7 X 36	.0135	.0154	63.8	.027 ± .002	.91
GS22759-48-26-*	26	19 X 38	.0175	.0194	38.4	.032 ± .002	1.4
GS22759-48-24-*	24	19 X 36	.0225	.0244	24.3	.037 ± .002	2.0
GS22759-48-22-*	22	19 X 34	.0285	.0304	15.1	.043 ± .002	2.8
GS22759-48-20-*	20	19 X 32	.0365	.0384	9.19	.050 ± .002	4.3
GS22759-48-18-*	18	19 X 30	.0455	.0484	5.79	.060 ± .002	6.5
GS22759-48-16-*	16	19 X 29	.0515	.0544	4.52	.068 ± .002	8.3
GS22759-48-14-*	14	19 X 27	.0645	.0684	2.88	.085 ± .003	13.0
GS22759-48-12-*	12	37 X 28	.0835	.0874	1.90	.103 ± .003	19.7