BETTER-THAN-QPL

Data Transmission Wire



GS22759-47 Silver-Coated High-Strength Copper Alloy Conductor, XL-ETFE Insulated

FEATURES

 Low-fluoride wire is ideal for white plague mitigation in space applications

NOTES

- 1. Wire is made in accordance with AS22759/47.
- 2. Conductor: Type SCA1, 80 microinch silver coated high strength copper

Alloy per SAE-AS29606

- 3. Insulation: Crosslinked modified ETFE (ethylenetetrafluoroethylene), low fluoride
- 4. Wire maximum continuous temperature rating is 200°C (392°F).
- 5. Voltage rating is 600 VRMS at sea level.
- Color code per MIL-STD-681. See MIL-STD-681 for additional wire color codes.
- 7. Consult factory for custom stripe color order.
- 8. Consult factory for compliance and qualification results.
- Ink marking is under development and may not meet full abrasion requirements.
- 10. Mod code 1304 B coating thickness to be minimum 80 microinches when measured in accordance with ASTM B298 to meet red plague control. Handling per PRDP 005 does not apply.

HOW TO ORDER							
Sample Part Number		GS22759-47	-24	-9	0	1	2
Basic Part Number	GS22759-47						
Wire Size	See Table I						
Jacket Color Code	-X 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						

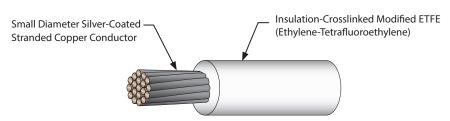


TABLE I: PART NUMBER AND WIRE SPECIFICATIONS							
	Wire Size	Stranding (Number of strands x size gage of strands)	Diameter of stranded conductor (inches)		Finished Wire		
Part Number					Resistance		Weight
			min	max	at 20°C (68°F) (Ohms/ 1000 ft) max	Diameter (inches)	(lb/1000 ft) max
GS22759-47-30-*	30	7 X 38	0.011	0.012	117.4	.024 ± .002	0.66
GS22759-47-28-*	28	7 X 36	0.014	0.015	74.4	.027 ± .002	0.91
GS22759-47-26-*	26	19 X 38	0.018	0.020	44.8	.032 ± .002	1.4
GS22759-47-24-*	24	19 X 36	0.023	0.024	28.4	.037 ± .002	2.0
GS22759-47-22-*	22	19 X 34	0.029	0.031	17.5	.043 ± .002	2.9
GS22759-47-20-*	20	19 X 32	0.037	0.039	10.7	.050 ± .002	4.4

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		