



**Mil-W-22759/3**

**Insulation: Polytetrafluoroethylene (PTFE) – GLASS – PTFE**

Nickel Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 260°C

Multi-layered insulation designed for airframe, and other high durability, aerospace applications. The first layer consists of PTFE tapes, followed by a secondary layer of PTFE coated Glass Braid, and an outer covering of fused PTFE tape. The insulation provides superior cut through and abrasion resistance. The Nickel plated copper conductor allows for a temperature of up to 260°C.

Wire Type RDS Number	Gauge	Stranding	Dimensional Data			
			Insulation O.D.		Resistance @ 20°C OHMS/2000' max	Maximum Weight Pounds/2000'
	(AWG)		Min.	Max.		
			(Inches)			
M22759/3	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
			(Inches)		OHMS/2000' max	Pounds/2000'
M22759/3-22-*	22	19/34	.071	.077	16.0	5.90
M22759/3-20-*	20	19/32	.079	.085	9.77	7.90
M22759/3-18-*	18	19/30	.092	.098	6.10	11.00
M22759/3-16-*	16	19/29	.099	.107	4.76	13.60
M22759/3-14-*	14	19/27	.112	.120	3.00	18.50
M22759/3-12-*	12	37/28	.129	.137	1.98	26.60
M22759/3-10-*	10	37/26	.158	.170	1.24	41.50
M22759/3- 8-*	8	133/29	.228	.242	.694	77.40
M22759/3- 6-*	6	133/27	.272	.292	.436	115.00
M22759/3- 4-*	4	133/25	.336	.366	.275	184.00
M22759/3- 2-*	2	665/30	.415	.445	.177	281.00
M22759/3- 1-*	1	817/30	.465	.495	.144	358.00
M22759/3-01-*	1/0	1045/30	.500	.550	.113	436.00
M22759/3-02-*	2/0	1330/30	.560	.610	.089	554.00

\* = Color.

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

These colors may also be used for stripe combinations. Example: -96 = White with one Blue stripe.

Complete Mil Spec call out M22759/3 - 14 - 96 => { 14 AWG (19/27) White/Blue }