

Low Smoke, Zero Halogen Silicone - Thermoflex 600V & 1000V, 150°C



**PRODUCT CODE: NEMA HP6
 TYPES ZHS & ZHSS**

Application

This insulation material is unusual in the unique balance of properties it provides. It meets the U.S. Navy requirements for smoke, toxicity, acid gas and halogen content. It is durable and highly flexible. It is also inherently flame resistant and can be used for high temperature applications.

Conductor

Tin or Silver
 Coated Copper

Insulation

Thermoflex

Product Number	Conductor Size (AWG)	Stranding	Nominal Insulation Wall (Inch)	Maximum Diameter (Inch)	Approximate Weight lbs/1000ft.
Type ZHS 600V					
HP6 ZHS-HGE*	20	19/32	.015	.072	4.98
HP6 ZHS-HHE*	18	19/30	.015	.082	7.27
HP6 ZHS-HJE*	16	19/29	.017	.091	9.31
HP6 ZHS-HKE*	14	41/30	.025	.122	18.82
HP6 ZHS-HLE*	12	65/30	.025	.141	25.42
HP6 ZHS-HME*	10	105/30	.025	.166	34.49
Type ZHSS 1000V					
HP6 ZHSS-HHE*	18	19/30	.032	.115	10.12
HP6 ZHSS-HJE*	16	19/29	.032	.124	12.04
HP6 ZHSS-HKE*	14	41/30	.048	.171	25.22
HP6 ZHSS-HLE*	12	65/30	.048	.190	32.19
HP6 ZHSS-HME*	10	105/30	.048	.210	41.77
HP6 ZHSS-HNM*	8	168/30	.065	.307	78.33
HP6 ZHSS-HPN*	6	259/30	.065	.351	114.0
HP6 ZHSS-HRO*	4	420/30	.065	.407	168.0
HP6 ZHSS-HSP*	2	665/30	.065	.473	260.0
HP6 ZHSS-HTR*	1	817/30	.075	.550	320.0
HP6 ZHSS-HUS*	1/0	1045/30	.075	.596	402.0
HP6 ZHSS-HWT*	2/0	1330/30	.080	.649	502.0
HP6 ZHSS-HYV*	3/0	1672/30	.080	.725	624.0
HP6 ZHSS-HZW*	4/0	2109/30	.080	.773	779.0
HP6 ZHSS-HVX*	250	2449/30	.080	.880	903.0
HP6 ZHSS-HXY*	350	3458/30	.080	.940	1240.0
HP6 ZHSS-HQZ*	400	3990/30	.080	1.025	1430.0

Note: *Color Designator

Conductor: Soft annealed tin coated copper, stranding as listed in the above table.

Insulation: Extruded layer of Thermoflex Insulation with a wall thickness as listed in the above table.

Approvals and Ratings:

NEMA HP6
 150°C Conductor Temperature, 600 & 1000 volt
 U.S. NAVY Acid Gas, Halogen, Smoke, & Toxicity

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