

# Low Smoke, Cross-Linked Modified Polyethylene 600V, 105°C

**PRODUCT CODE: NEMA HP8  
 TYPES LS  
 Reference: MIL-W-16878/36**

**Application**

This irradiation cross-linked polyethylene insulated wire is formulated to be fire resistant and produce low levels of smoke when burned. It meets the U.S. Navy requirements for smoke, toxicity, and acid gas. The insulation combines excellent thermal stability with very good wet electrical values. Having thermoset mechanical characteristics it provides a superior small diameter, electronic hook-up wire.

**Conductor**  
 Tin Coated Copper

**Insulation**  
 Cross-Linked Polyethylene



Product Number	Conductor Size (AWG)	Stranding	Nominal Insulation Wall (Inch)	Maximum Diameter (Inch)	Approximate Weight lbs/1000ft.
<b>TYPE LS, 600V</b>					
HP8 LS-BDB*	26	7/34	.0105	.041	1.50
HP8 LS-BEB*	24	7/32	.0105	.046	2.10
HP8 LS-BFB*	22	7/30	.0105	.052	3.10
HP8 LS-BGE*	20	19/32	.0105	.060	4.70
HP8 LS-BHE*	18	19/30	.0105	.070	7.10
HP8 LS-BJE*	16	19/29	.011	.080	9.30
HP8 LS-BKE*	14	19/27	.011	.096	14.10
HP8 LS-BLE*	12	19/25	.015	.125	25.20
HP8 LS-BMG*	10	37/36	.020	.155	38.70
HP8 LS-BNL*	8	133/29	.025	.225	65.00
HP8 LS-BPL*	6	133/27	.025	.265	101.00
HP8 LS-BRL*	4	133/25	.035	.340	149.00
HP8 LS-BSP*	2	665/30	.035	.420	237.00

Note: \*Color Designator

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

**Insulation:** Extruded layer of Cross-Linked Polyethylene with a wall thickness as listed in the above table.

**Approvals and Ratings:**

NEMA HP8  
 105°C Conductor Temperature, 600 volt  
 U.S. NAVY Acid Gas, Halogen, Smoke, & Toxicity

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