

Low Smoke, Zero Halogen Cross-Linked Polyolefin 600V & 1000V, 125°C

**PRODUCT CODE: NEMA HP8
 TYPES ZH & ZHX**

Application

This irradiation cross-linked polyolefin insulated wire is formulated to be fire resistant and contain zero halogens. It meets the U.S. Navy requirements for smoke, toxicity, acid gas and halogen.

The insulation combines excellent thermal stability with very good wet electrical values. It provides a superior small diameter, electronic hook-up wire.

Conductors

Tin Coated Copper

Insulation

Cross-Linked Polyolefin



Product Number	Conductor Size (AWG)	Stranding	Nominal Insulation Wall (Inch)	Maximum Diameter (Inch)	Approximate Weight lbs/1000ft.
TYPE ZH, 600V					
HP8 ZH-BDB*	26	7/34	.0105	.041	1.50
HP8 ZH-BEB*	24	7/32	.0105	.046	2.10
HP8 ZH-BFB*	22	7/30	.0105	.052	3.10
HP8 ZH-BGE*	20	19/32	.0105	.060	4.70
HP8 ZH-BHE*	18	19/30	.0105	.070	7.10
HP8 ZH-BJE*	16	19/29	.011	.080	9.30
HP8 ZH-BKE*	14	19/27	.011	.096	14.10
HP8 ZH-BLE*	12	19/25	.015	.125	25.20
HP8 ZH-BMG*	10	37/36	.020	.155	38.70
HP8 ZH-BNL*	8	133/29	.025	.225	65.00
HP8 ZH-BPL*	6	133/27	.025	.265	101.00
HP8 ZH-BRL*	4	133/25	.030	.340	149.00
HP8 ZH-BSP*	2	665/30	.030	.420	237.00
TYPE ZHX, 1000V					
HP8 ZHX-BDB*	26	7/34	.016	.056	1.50
HP8 ZHX-BEB*	24	7/32	.016	.060	2.10
HP8 ZHX-BFB*	22	7/30	.016	.068	3.10
HP8 ZHX-BGE*	20	19/32	.016	.074	4.70
HP8 ZHX-BHE*	18	19/30	.018	.086	7.10
HP8 ZHX-BJE*	16	19/29	.018	.095	9.30
HP8 ZHX-BKE*	14	19/27	.018	.110	14.10
HP8 ZHX-BLE*	12	19/25	.018	.130	25.20
HP8 ZHX-BMG*	10	37/36	.030	.175	38.70
HP8 ZHX-BNL*	8	133/29	.035	.250	65.00
HP8 ZHX-BPL*	6	133/27	.035	.290	101.00
HP8 ZHX-BRL*	4	133/25	.035	.360	149.00
HP8 ZHX-BSP*	2	665/30	.035	.435	237.00

Note *Color Designator

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

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

Approvals and Ratings:

NEMA HP8

125°C Conductor Temperature, 600 & 1000 volt
 U.S. NAVY Acid Gas, Halogen, Smoke, & Toxicity

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