

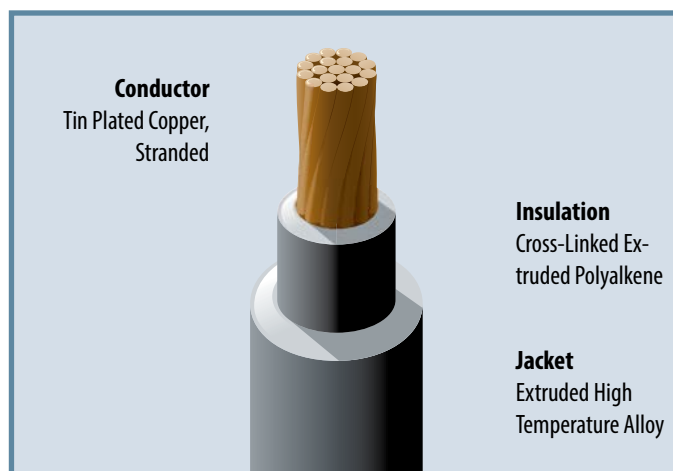
AD1044ZH®

Zero Halogen Wire - 600V, -65°-150°C

APPLICATION

This dual layer, lightweight, high temperature wire offers outstanding performance that makes it suitable for many applications where high density cabling and harnessing are required. Besides offering size and weight advantages, these wires have excellent resistance to cut-through, abrasion, cold flow, shrink back, notch propagation, and common chemicals. In addition, they are low smoke-zero halogen, and RoHS compliant. This wire should be considered for lightweight, small diameter applications.

Lightweight- Low Smoke Wire



Conductor
Tin Plated Copper,
Stranded

Insulation
Cross-Linked Ex-
truded Polyalkene

Jacket
Extruded High
Temperature Alloy

CONDUCTOR

Soft Annealed Tin Plated Copper

INSULATION

Irradiation XL extruded Polyalkene meeting the requirements below.

JACKET

Extruded High Temperature Alloy

TYPICAL PROPERTIES

Accelerated Aging: Oven Temp, 300°C for 6 Hours
Blocking: 150°C
Cold Bend: -65°C
Covering Tensile Strength: 5000 psi min
Covering Elongation: 150% min
Flammability: FT-1 (IEC 332-1)
Fluid Immersion: Lubricating Oil, Hydraulic Fluid,
Isopropyl alcohol, Aviation fuel
Halogen Content: 0
Humidity Resistance: 5000 Meg-ohms for 1000 ft. min
Insulation Resistance: 5000 Meg-ohms for 1000 ft. min
Insulation Tensile Strength: 2500 psi min
Insulation Elongation: 150% min
Shrinkage: .125" max @ 150°C
Smoke: 150°C
Spark Test: 5700 Vrms

Part Number	Conductor	Conductor Resistance @ 20°C Ω /kft Max.	Weight (lbs/kft) Nom.	Finished Diameter (inch)
AD1044ZH-12-22-X	22AWG 19/34 TC	16.2	2.8	.047 ± .002
AD1044ZH-12-20-X	20AWG 19/32 TC	9.88	4.3	.055 ± .002
AD1044ZH-12-18-X	18AWG 19/30 TC	6.23	6.5	.065 ± .003
AD1044ZH-12-16-X	16AWG 19/29 TC	4.81	8.2	.072 ± .033
AD1044ZH-12-14-X	14AWG 19/27 TC	3.06	12.7	.089 ± .004
AD1044ZH-12-12-X	12AWG 37/28 TC	2.02	19.4	.108 ± .004

X=Color, See page 67 for color designator

The above part numbers represent the more popular constructions. However, other designs are available upon request.
All products are manufactured to meet RoHS compliance. For exceptions, please contact our sales department.

