

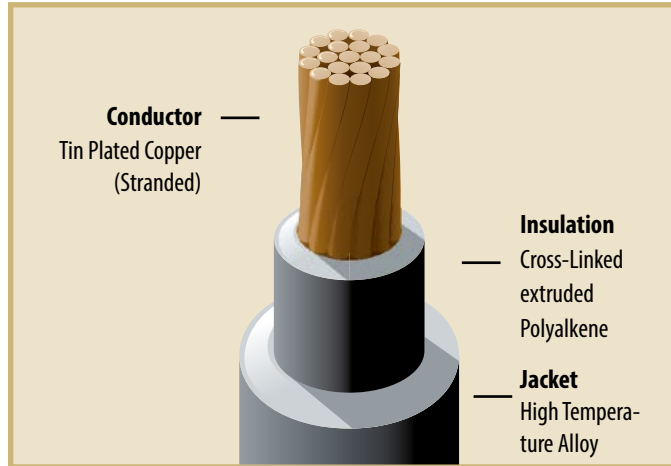


Zero Halogen Transit Wire AD1044ZH™-TR

Low Smoke 600V, -65°C to +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 have low smoke characteristics. This wire should be considered for transit car wire applications.



CONDUCTOR

Soft Annealed Tin Plated Copper

INSULATION

Irradiation XL extruded Polyalkene meeting the requirements below.

JACKET

High Temperature Alloy

TYPICAL PROPERTIES

Accelerated Aging: Oven Temp, 300°C for 6 Hours
Blocking: 150°C
Cold Bend: -65°C
Flammability: FT-1
Halogen Content: 0
Humidity Resistance: 5000 Meg-ohms for 1000 ft. min
Spark Test: 5700 Vrms
Insulation Resistance: 5000 Meg-ohms for 1000 ft. min
Insulation Tensile Strength: 2500 psi min
Insulation Elongation: 150% min
Covering Tensile Strength: 5000 psi min
Covering Elongation: 150% min
Shrinkage: .125" max @ 150°C
Smoke: 45 Max
Fluid Immersion: Lubricating Oil, Hydraulic fluid, Isopropyl alcohol, Aviation fuel

Part Number	Conductor	Conductor Resistance @ 20°C Ω/kft Max.	Weight (lbs/kft) Nom.	Finished Diameter (inch)
AD1044ZH-TR-22	22AWG 19/34 TC	16.2	3.1	.052 ± .002
AD1044ZH-TR-20	20AWG 19/32 TC	9.88	4.6	.060 ± .002
AD1044ZH-TR-18	18AWG 19/30 TC	6.23	6.8	.071 ± .002
AD1044ZH-TR-16	16AWG 19/29 TC	4.81	8.67	.079 ± .002
AD1044ZH-TR-14	14AWG 19/27 TC	3.06	13.1	.093 ± .002
AD1044ZH-TR-12	12AWG 37/28 TC	2.02	20.0	.114 ± .003
AD1044ZH-TR-10	10AWG 37/26 TC	1.26	31.7	.138 ± .004

The above part numbers represent the more popular constructions. However, other designs are available upon request.

