



# Surprenant® HTNR Military Wire

## 600V, -55°C to +125°C

### APPLICATION

This wire is constructed with a flexible insulation material covered with a very flexible, yet durable jacket. It meets the U.S. Army requirements for armored vehicles. It is also inherently flame resistant having excellent oil and fluid resistance.

### CONDUCTOR

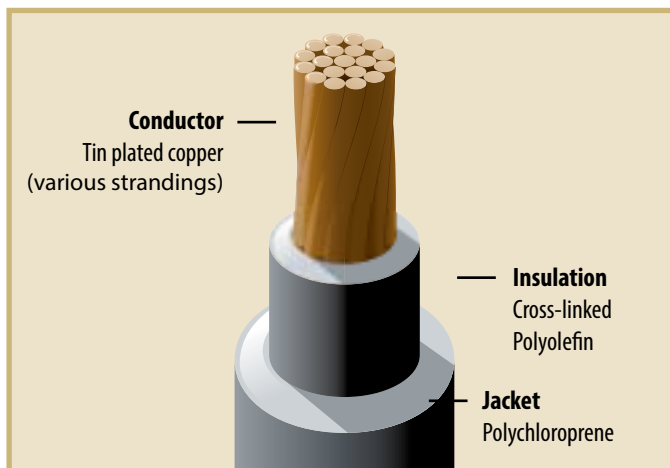
Soft annealed tin plated copper, stranding as listed in the below table.

### INSULATION

Gray extruded layer of cross-linked Polyolefin insulation.

### JACKET

Black extruded layer of arctic grade Polychloroprene (neoprene) with a wall thickness as required to meet the diameter listed in the below table.



Part Number	Product Number	Conductor			Conductor Resistance @20°C Ω/kft	Nom. Diameter Inch	Weight lbs/kft
		AWG	Stranding	Material			
S-HTNR-8	HTNR13329U055	8	133/29	TC	.701	.310	83
S-HTNR-6	HTNR13327U055	6	133/27		.445	.355	115
S-HTNR-4	HTNR13325U055	4	133/25		.280	.415	179
S-HTNR-2	HTNR66530U065	2	665/30		.183	.495	269
S-HTNR-1	HTNR83630U065	1	836/30		.149	.540	329
S-HTNR-1X0	HTNR104530U065	1/0	1045/30		.116	.620	460
S-HTNR-2X0	HTNR133030U065	2/0	1330/30		.091	.650	528
S-HTNR-3X0	HTNR166630U075	3/0	1666/30		.071	.700	628
S-HTNR-4X0	HTNR210730U075	4/0	2107/30		.056	.800	829
S-HTNR-250	HTNR249930U086	250	2499/30		.046	.860	980

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

### APPROVALS AND RATINGS

Specification 10626721

125°C conductor temperature, 600 volt

