



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

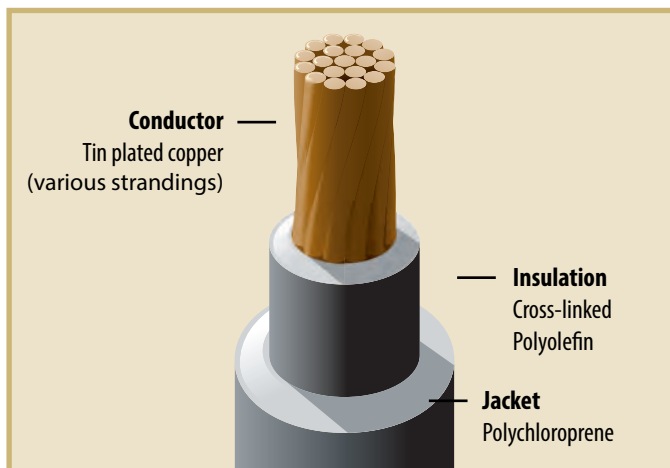
Soft annealed tin plated copper, stranding as listed in the below table.

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

