



Surprenant® HTXE Military Wire

12293251

600V, -55°C to +125°C

APPLICATION

This wire is constructed with a flexible insulation material covered with a 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

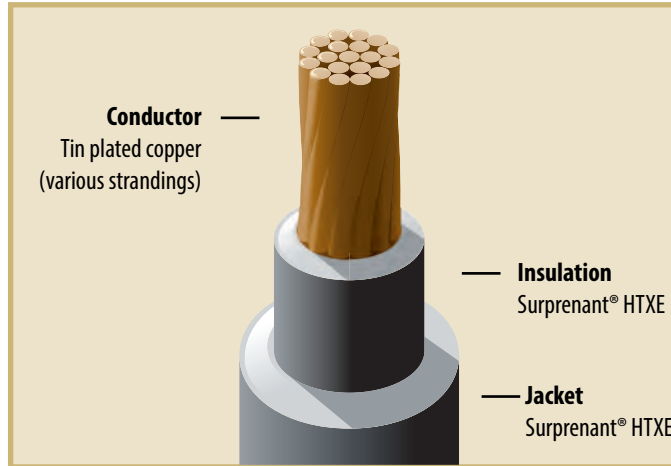
Soft annealed tin plated copper, stranding as listed in the below table.

INSULATION

Gray extruded layer of Surprenant HTXE insulation.

JACKET

Black extruded layer of Surprenant HTXE.



Part Number	Product Number	Conductor			Conductor Resistance @20°C Ω/kft	Nom. Diameter Inch	Weight lbs/kft
		AWG	Stranding	Material			
S-HTXE-1626	HTXE2630UO45	16	26/30	TC	4.69	.150	18
S-HTXE-1441	HTXE4130UO50	14	41/30		2.94	.175	26
S-HTXE-1265	HTXE6530UO50	12	65/30		1.85	.190	35
S-HTXE-10105	HTXE10530UO50	10	105/30		1.15	.210	50
S-HTXE-8133	HTXE13329UO55	8	133/29		.701	.280	83
S-HTXE-6133	HTXE13327UO55	6	133/27		.445	.325	115
S-HTXE-6266	HTXE26630UO55	6	266/30		.466	.325	116
S-HTXE-4133	HTXE13325UO55	4	133/25		.280	.380	179
S-HTXE-4420	HTXE42030UO55	4	420/30		.299	.380	180
S-HTXE-2655	HTXE66530UO65	2	655/30		.183	.465	269
S-HTXE-1836	HTXE83630UO65	1	836/30		.149	.500	329
S-HTXE-1X01045	HTXE104530UO65	1/0	1045/30		.116	.560	460
S-HTXE-2X01330	HTXE133030UO65	2/0	1330/30		.091	.615	528
S-HTXE-3X01666	HTXE166630UO75	3/0	1666/30		.071	.680	628
S-HTXE-4X02107	HTXE210730UO75	4/0	2107/30		.056	.800	829

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

APPROVALS AND RATINGS

Army Drawing 12293251
Similar to 10603
125°C conductor temperature, 600 volt