



COPPERHEAD COMPARISON SHEET

Copperhead Reinforced Tracer Wire (Copper Clad Steel) vs. Solid Copper

SIZE	#14 AWG		#12 AWG		#10 AWG	
<i>Conductor Construction</i>	CCS	Solid CU	CCS	Solid CU	CCS	Solid CU
<i>Conductor OD</i>	0.0641	0.0641	0.0808	0.0808	0.1091	0.1091
<i>Insulation Material</i>	HDPE	THHN (nylon)	HDPE	THHN (nylon)	HDPE	THHN (nylon)
<i>Insulation Thickness</i>	.030"	.012"	.030"	.012"	.030"	.012"
<i>Nominal OD</i>	.124"	0.088	.141"	0.105	.162"	0.133
<i>Resistance per 1000 feet (Ohms)</i>	8.4140	2.5241	5.2954	1.5885	3.3294	0.9987
<i>Weight per 1000 feet (lbs)</i>	15.5	16.8	22	25.4	32.5	38.9
<i>Breaking Load in lbs</i>	250	112	380	180	600	285
<i>Impact Force in - lbs**</i>	42		67.4		107.5	
Copperhead Part Number	1430*-HS-		1230*-HS-		1030*-HS-	
<i>Spool sizes available</i>	500', 1000', & 2500'		500', 1000', & 2500'		500', 1000', & 2500'	
* Denotes Color: Y=Yellow, B=Blue, R=Red, K=Black, N=Orange, G=Green, P=Purple						
** Measured with a falling weight (shovel simulation) tester; modeled from <i>Gardner Impact Tester</i> (ASTM D5420)						

COPPERHEAD SoloShot Directional Boring Wire Specifications

SIZE	#12 EHS
<i>Conductor Construction</i>	CCS
<i>Conductor OD</i>	0.0808
<i>Insulation Material</i>	HDPE
<i>Insulation Thickness</i>	.045"
<i>Nominal OD</i>	0.171
<i>Resistance per 1000 feet (Ohms)</i>	5.2954
<i>Weight per 1000 feet (lbs)</i>	22
<i>Breaking Load in lbs</i>	1150
Copperhead Part Number	1245*-EHS-
<i>Spool sizes available</i>	500', 1000', & 2500'
<i>Directional Drill Wire Comparison:</i>	
#12 Stainless Steel Break load is 1200 lbs	
#10 Solid Copper Break load is 285 lbs	