

UNDERSTANDING YOUR TRACER WIRE SELECTION

AWG SIZE	MEASUREMENTS			COPPER WIRE		PROTRACE HF-CCS		PROTRACE HDD-CCS		STAINLESS STEEL T304	
	O.D.	CROSS SECTION AREA		TENSILE	BREAKLOAD	TENSILE	BREAKLOAD	TENSILE	BREAKLOAD	TENSILE	BREAKLOAD
	in	cmils	in ²	psi	lbf	psi	lbf	psi	lbf	psi	lbf
18 AWG	0.0403	1,624	0.001280	38,500	49	55,000	70	-----	-----	-----	-----
16 AWG	0.0508	2,581	0.002030	38,500	78	55,000	111	-----	-----	-----	-----
14 AWG	0.0641	4,109	0.003230	38,500	124	55,000	177	-----	-----	-----	-----
12 AWG	0.0808	6,529	0.005130	38,500	197	55,000	282	260,000	1,330	179,300	920
10 AWG	0.1019	10,384	0.008155	38,500	313	55,000	448	238,000	1,940	154,500	1,260
8 AWG	0.1285	16,512	0.012970	37,000	479	55,000	713	215,000	2,785	131,100	1,700
6 AWG	0.1620	26,244	0.020610	37,000	762	-----	-----	-----	-----	116,450	2,400
PRODUCT STATUS				↑ ACTIVE ↑		↑ ACTIVE ↑		↑ ACTIVE ↑		↑ ACTIVE ↑	

TYPE OF TRACER WIRE →→→	COPPER WIRE	PROTRACE HF-CCS	PROTRACE HDD-CCS	STAINLESS STEEL T304
APPLICATIONS	OPEN TRENCH DIRECTIONAL BORING	OPEN TRENCH DIRECTIONAL BORING	DIRECTIONAL BORING	DIRECTIONAL BORING
ADVANTAGES	<ul style="list-style-type: none"> *Excellent signal strength *Corrosion resistant *Flexible 	<ul style="list-style-type: none"> *Excellent signal strength *Rated for direct burial *Corrosion resistant *Considerably cheaper *Stable Pricing *No theft value *43% stronger than Copper *Flexible like solid copper *Virtually no spring release 	<ul style="list-style-type: none"> *Excellent signal strength *Rated for direct burial *Corrosion resistant *Considerably cheaper *Stable Pricing *No theft value *600% stronger than Copper *Only 1 wire needed *Eliminates re-boring 	<ul style="list-style-type: none"> *Flexible *Rated for direct burial *Corrosion resistant *Stable Pricing *400% stronger than Copper *Only 1 wire needed *Eliminates re-boring
DISADVANTAGES	<ul style="list-style-type: none"> *THHN is not direct burial *Extremely high in cost *Multiple wires for boring *Copper is extremely volatile *Copper breaks often *Subject to theft 	<ul style="list-style-type: none"> *Multiple wires for boring 	<ul style="list-style-type: none"> *Subject to spring release 	<ul style="list-style-type: none"> *Poor signal strength *Extremely high in cost

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