

Table No. III.—WIRE (Arranged by type numbers)

Type No.	Stock No.	Solid or equivalent AWG (B&S) gage	Number of conductors	Composition of Conductors			Thickness of rubber	Insulation		Remarks	Wt. per 1,000 ft in lbs.	Expendability	Unit of Measure
				Number of strands	AWG (B&S) gage ea	Material (copper unless noted)		Braid (cotton unless noted)					
								Around ea conductor	Around all conductors				
W-1	1A1	14	1	7	22	Soft, tinned	Bare	None		Ant; strength 100 lb.	11	X	ft.
W-2	1A2	14	1	Solid		Soft	do	do		For general use.	22	X	ft.
W-4	1B4	16	1	26	30	do	1/16"	Moisture-proofed.		Special lamp cord, heavy braid; waxed. No more to be procured.	20.4	X	ft.
W-6	1B6	16	1	26	30	Tinned	0.28" outside	Weather-proofed.		Counterpoise; substitute WIRE W-30. No more to be procured.	75	X	ft.
W-7	1B7	18	1	Solid		Soft	None	Waxed		Annunciator; double-cotton.	6.5	X	lb.
W-8	1B8	16	2	26	30	do	1/16"	Black and red	Black	Special lamp cord be procured.	50		
W-9	1B9	14	1	40	30	Soft, tinned	1/8"	Varnished		High-tension cable No more to be		X	ft.
W-10	1B10	10	2	104	30	Soft	3/16"	Black and red	Black	Extra flexible; No more to be	200	X	ft.
W-11	1B11	12	2	65	30	do	do	do	do	Extra flexible; P/o CORD C WIRE W-10. No more to be	116	X	ft.
W-16	1A16	24	1	Solid		do	Bare	None			1.5	X	lb.
W-18	1B18	14	3	41	30	Soft, tinned	3/16"	Black, red and white.	Black, WP		90	X	ft.
W-19	1A19	14	1	40	30	Bronze	Bare	None		1. No more	13	X	ft.
W-24	1A24									Obsolete; WIRE W-1.			
W-25	1A25	14	1	16	26	do	do	do		Braided ant cord; strength, 100 pounds.	12.5	X	ft.
W-27	1A27	6	1	7	14	Bronze	do	do		Ant; strength, 2,000 lb.	85	X	ft.
W-28	1A28	12	1	7	20	do	do	do		Ant; strength, 550 lb.	23.5	X	ft.
W-29	1B29	16	1	42	32	do	None	Black, weather-proofed.		Ant; strength, 200 lb.	14.4	X	ft.

W-30	1B30	16	1	42	32	do	0.08"	Weather-proofed.		Counterpoise; strength, 200 lb.	70	X	ft.
W-33	1B33	19	2	Solid		Soft, tinned	1/4"	Green	None	Inside, telephone wire; superseded by WIRE W-117.	14.25	X	ft.
W-34	1B34	19	2	Solid		Soft, tinned	1/4"	None	None	Pot-head.	12.5	X	ft.
W-35	1B35	20	2	Solid		do	0.027"	Flameproof	do	Cross-connecting; substitute WIRE W-69 for field organizations and other outside uses; substitute WIRE W-105 for inside use. No more to be procured.	9	X	ft.
W-37	1B37	16	1	Solid		do	1/4"	Weather-proofed.		Bridle wire.	14.5	X	ft.
W-38	1B38	17	2	Solid		Copper-clad steel, tinned.	0.029"	do	None	Outside distributing; W-50 when not for field; 11 strand, 10 s	45.5	X	ft.
W-39	1B39		1	10 1	28 21	Steel Copper	1/4"	Moisture-proofed		1 copper; single cond procured.	17	X	ft.
W-40	1B40									Obsolete.			
W-42	1B42		1	6	27	Steel	do	do		Outpost; single cond; 7 strand, 6 steel, 1 copper (sometimes 7 steel).	5	X	ft.
W-43	1B43		1	7	28	Steel and bronze	do	do		Same as WIRE W-44, except single-conductor; substitute WIRE W-42. No more to be procured.	12	X	ft.
W-44	1B44		2	7	28	do	do	do	None	Outpost; twisted pair; 7 strand, 3 steel, 4 bronze. Normally, furnished on REEL DR-4. No more to be procured.	24.6	X	ft.
W-45	1B45		1	3	28	Steel and soft copper.	None	do		BUZZER; 3 strand, 2 steel, 1 copper. No more to be procured.	5	X	ft.
W-48	1B48	12	1	Solid		Hard	None	Triple weather-proofed.		Used on power sb and on lines through foliage.	32	X	ft.
W-50	1B50	14	2	Solid		do	1/4"	Moisture-proofed	None	Outside twisted pair.	71		
W-63	1B63	19	1	81	38	Tinned	None	Black		Used for flexible leads in radio receivers and transmitters; superseded by WIRE W-63-A. No more to be procured.	5.4		
W-63-A	1B63A	20	1	105	40	Soft	1/4"	None		Supersedes WIRE W-63.	8	X	ft.

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				Number of strands	AWG (B&S) gage ea	Material (copper unless noted)		Braid (cotton unless noted)					
								Around ea conductor	Around all conductors				
W-65	1B65	16	1	26	30	Soft	1/4"	None		To withsta	66.6	X	ft.
W-66	1B66	22	2	Solid	-----	Soft, tinned and enameled	None	Flameproof	None	Cross-conn where roof silk humidity and cotto more to be procur 22.	5.8	X	ft.
W-67	1B67	22	3	Solid	-----	do	do	do	do	Cross-conn where roof silk humidity and cotto more to 23 when	8.4	X	ft.
W-69	1B69	20	2	Solid	-----	Soft, tinned	0.023"	Moisture and weather-proofed	do	ting; rs or by W procur ting; loors WIRE Brayb; pec 64	19.2		
W-69-A	1B69A	22	2	Solid	-----	do	0.015"	do	do		13	X	ft.
W-70	1B70												
W-71	1A71	20	1	Solid	-----	Soft	Bare	None		ise.	3.1	X	lb.
W-72	1A72	16	1	Solid	-----	Soft, tinned	do	do			7.82	X	ft.
W-73	1A73	17	1	Solid	-----	Bronze	do	do		No more to be procured.	6.25	X	lb.
W-74	1A74	12NBS	1	Solid	-----	Hard	do	do		Bare line wire.	33.25	X	lb.
W-75	1A75	9BWG	1	Solid	-----	Iron	do	do		GI line wire. No more to be procured.	59	X	ft.
W-76	1A76	14BWG	1	Solid	-----	do	do	do		No more to be procured.	17	X	ft.
W-84	1A84	3/8"	-----	7	11BWG	Steel	do	do		Messenger; galvanized; strength 6,950 lb.; superseded by WIRE W-115.	312	X	ft.
W-85	1A85	5/16"	-----	7	12BWG	do	do	do		Messenger; galvanized strength 4,860 lb.	276	X	ft.

W-89	1A89	$\frac{1}{16}$ "		7	9BWG	do	do	do		Messenger; galvanized; strength 14,500 lb; superseded by WIRE W-116.	454	X	ft.
W-90	1A90	$\frac{3}{8}$ "		7	11BWG	do	do	do		Messenger; galvanized; strength 11,500 lb.	300	X	ft.
W-100	1B100	12	1	Solid		Hard	None	Triple weather-proofed.		Insulated line wire, braided. Obsolete.	35		ft.
W-101	1B101	10	1	Solid		do	do	do		do	53	X	ft.
W-102	1B102									Obsolete.			
W-103	1B103	19	3	Solid		Soft, tinned	$\frac{1}{2}$ "	Green	None	Inside telephone wire; superseded by WIRE W-118.	21		ft.
W-104	1A104	14	1	Solid		Hard, tinned	Bare	None		Sq bus wire in lg of approx 30".	15.3	X	lb.
W-106	1A106	18	1	Solid		Steel, copper-clad	Bare	None		Trailing ant.	5.4	X	ft.
W-106-A	1A106A	18	1	Solid		do	do	do		Trailing ant; similar to WIRE W-106, except w/ greater tensile strength.		X	ft.
W-107	1A107	20	1	Solid		Soft, tinned	do	do		For seizing splices. Furnished on spools of $\frac{1}{4}$ lb. ea.	3.1	X	ft.
W-108	1B108	17	2	Solid		Copper-clad steel or bronze, tinned.	0.028"	do	Single, unbleached	Parallel drop wire. Weather-proofed and waxed. Raised rib on one cond; superseded by WIRE W-108-A.	41		ft.
W-108-A	1B108A	18	2							Twisted pair, drop wire furnished in coils of 200 to 1,200 ft; supersedes WIRE W-108.		X	ft.
W-109	1B109		1							Experimental field wire.	14	X	ft.
W-110	1B110		2	5	13-mil.	Steel	0.026"	Weather-proofed, 2-ply.	None	Field; twisted pair, w/ marker on 1 cond; obsolete.	25		rl.
				1	13-mil.	Copper							
				1	14-mil.	do							
W-110-B	1B110B		2	4	13-mil.	do	do	do	do	Field; twisted pair, w/ marker on 1 cond; strands may be either parallel or concentric lay; furnished on REEL DR-4 containing 2,400 ft., or in 1,000 ft. coils, or on REEL DR-5 for 1 mile.	25	NX	ft.
				3	13 to 14-mil.	Copper							
W-112	1B112	18	1	Solid		Soft	None	None		Magnet wire; DCC.	4.17	X	lb.
W-113	1B113	24	1	Solid		Soft	None	None		Magnet wire; DCC.	1.33	X	lb.
W-114	1B114	32	1	Solid		do	do	do		do	.36	X	ft.
W-115	1A115	$\frac{5}{16}$ "		7	12BWG	Steel	Bare	do		Messenger; galvanized; strength 6,000 lb; supersedes WIRE W-84.	259	X	ft.

Table No. III.—WIRE (Arranged by type numbers)—Continued

Type No.	Stock No.	Solid or equivalent AWG (B&S) gage	Number of conductors	Composition of Conductors			Thickness of rubber	Insulation		Remarks	Wt. per 1,000 ft in lbs.	Expendability	Unit of Measure
				Number of strands	AWG (B&S) gage ea	Material (copper unless noted)		Braid (cotton unless noted)					
								Around ea conductor	Around all conductors				
W-116	1A116	1/16"	-----	7	9BWG	Steel	Bare	None	-----	Messenger; galvanized; strength 18,000 lb; supersedes WIRE W-89.	460	X	ft.
W-117	1B117	22	2	Solid	-----	Soft, tinned	0.023"	Olive green	None	Inside telephone wire; same as WIRE W-33, except 22 gage; colored tracer on ea cond; supersedes WIRE W-33.	15	X	ft.
W-118	1B118	22	3	Solid	-----	Soft, tinned	0.023"	Olive green	None	Inside telephone wire; same as WIRE W-103, except 22 gage; colored tracer on ea cond; supersedes WIRE W-103.	22	X	ft.
W-119	1B119	12	1	Solid	-----	-----	3/4"	Single, white braid.	-----	600 v; NE 189, SCR	38	X	ft.
W-120	1A120	16	1	42	32	Silicon bronze	Bare	None	-----	Cond comp ea twists so as to n Trailing except wi	8	X	ft.
W-121	1B121	20	2	Solid	-----	Soft, tinned	None	do	None	Cross-conr for use Enameled and tre lacquer; ing fram WIRE W and other when sto	9.8	X	ft.
W-122	1B122	22	2	Solid	-----	do	do	do	do	Same as and blac at seaco humidity is high.	9.8	X	ft.

W-123	1B123	22	3	Solid			do		Same as WIRE W-121, except 3 cond; white, black and red, supersedes WIRE W-67.	14.7	X	ft.
W-124	1B124	14	1	41	30	0.25"	Black		Aircraft ignition cable w/ ozone-resisting rubber insulation and lacquered braid. P/o RADIO SETS SCR-177 and SCR-188.	160	X	ft.
W-125	1B125	14	2	41	30				Same as WIRE W-124, except 2 parallel cond.	320	X	ft.
W-126	1B126	14	1	19	27	1/2"	Black lacquer finish.		Automotive primary lighting wire. P/o RADIO SETS SCR-194 and SCR-195; substitute WIRE W-9 until stock is exhausted.	10	X	ft.
W-128	1B128	14	1	41	30	Tinned	0.35"	None	Same as WIRE W-124, except without lacquered-braid covering. Used for ant and ground connections for vehicular radio sets using MAST BASE MP-14-A and MP-37.		X	ft.
W-130	1B130		2	7		Copper and steel.		do	Assault; telephone; twisted pair consisting of 6 zinc-coated steel strands, between 9 and 10 mils dia and 1 tin-coated copper strand between 9.5 and 10.5 mils diam. Rubber-insulated; tensile strength 50 to 55 lb.	6	NX	ft.
W-130	1B130.1		2	7		do		do	Wire W-130 (1B130) on reels.	6	NX	rl.
W-130	1B130.2		2	7		do		do	1/4 mi or DR-8.	6	NX	sl.
W-130	1B130.3		2	7		do		do	1 mile WIRE W-130 (1B130) on 24" reel	6	NX	rl.
W-130	1B130.4		2	7		do		do	1/2 mile WIRE W-130 (1B130) on DR-4.	6	NX	sl.
W-130-A	1B130A		2	7		do		do	Assault; tp; twisted pair consisting of 6 zinc coated steel strands between 9 and 10 mils diam and 1 tin-coated copper between 9.5 and 10.5 mils in diam. vinyl resin synthetic insulation.	6	NX	tf.
W-130-A	1B130A.1		2	7		do		do	2 miles WIRE W-130-A (1B130A) on DR-4.		NX	rl.
W-130-A	1B130A.2		2	7		do		do	1/4 mile WIRE W-130-A (1B130A) on SPOOL DR-8.		NX	sl.
W-130-A	1B130A.3		2	7		do		do	1/2 mile WIRE W-130-A (1B130A) on SPOOL DR-8.		NX	sl.

Table No. III.—WIRE (Arranged by type numbers)—Continued

Type No.	Stock No.	Solid or equivalent AWG (B&S) gage	Number of conductors	Composition of Conductors			Thickness of rubber	Insulation		Remarks	Wt. per 1,000 ft in lbs.	Expendability	Unit of Measure
				Number of strands	AWG (B&S) gage ea	Material (copper unless noted)		Braid (cotton unless noted)					
								Around ea conductor	Around all conductors				
W-131	1B131	18	1	16	30	Tinned	1/2"	Copper shielding		Shielded w/ closely woven tinned copper having OD of approx 0.150". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-132	1B132	18	1	16	30	Tinned	1/2"	Yellow		Extra flexible; Belden code word "Remote". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-133	1B133	18	1	16	30	do	do	Red		Same as WIRE W-132, except color coded red. Belden code word "Remote". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-134	1B134	18	1	16	30	do	do	Blue		Same as WIRE W-132, except color coded blue. Belden code word "Remote". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-135	1B135	18	1	16	30	do	do	Brown		Same as WIRE W-132, except color coded brown. Belden code word "Remote". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-136	1B136	18	1	16	30	do	do	Green		Same as WIRE W-132, except color coded green. Belden code word "Remote". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	

W-137	1B137	12	1	20	25	do	3/4"	Black	Similar to WIRE W-132, except for heavier construction, covered by glazed cotton braid approx 0.225" diam and color coded black. P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-138	1B138	12	1	20	25	Tinned	3/4"	White	Same as WIRE W-137, except color coded white. P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-139	1B139	18	1	16	30	do	1/2"	do	Same as WIRE W-132, except color coded white. Belden code word "Remote". P/o Radio SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ea.	
W-140	1B140	18	1	16	30	do	do	Black	Same as WIRE W-132, except color coded black. Belden code word "Remote". P/o RADIO SET SCR-193-A, SCR-193-C, SCR-210-A, SCR-245-A and SCR-245-B.	X	ft.	
W-141	1A141					Steel	None	None	1/8" diam steel, hoisting cable; extra flexible; 7 x 19 construction; breaking strength 1,900 lb. P/o GUY GY-32.	29.0	X	ea.
W-142	1B142	14	1	40	30				"Tirex" type S as made by Simplex W&G or "Hazacord" type S as made by Okonite Co; used for ant and ground leads. P/o RADIO SET SCR-284-A.		X	ft.
W-143	1B143		2	7		Lead-tin alloy coated		Weather proofed	Parallel laid; long range tactical wire furnished 5/8 mi. on REEL DR-5.		NX	rl.
W-143	1B143.1		2	7		do		cotton	Parallel laid; long range tactical wire.		NX	ft.
W-146	1B146	12	1		19	Tinned	0.37"	do Black	Flexible lead-in wire between ant and RADIO TRANSMITTER BC-653-A; similar to WIRE W-128, except improved for HF transmission. Replaces WIRE W-128 in RADIO SET SCR-506.		X	ft.

Table No. III.—WIRE (Arranged by type numbers)—Continued

Type No.	Stock No.	Solid or equivalent AWG (B&S) gage	Number of conductors	Composition of Conductors			Thick-ness of rubber	Insulation		Remarks	Wt. per 1,000 ft in lbs.	Expend-ability	Unit of Measure
				Number of strands	AWG (B&S) gage ea	Material (copper unless noted)		Braid (cotton unless noted)					
								Around ea conductor	Around all conductors				
W-148	1A148	0.035	1	16	35	Phosphor	None	None			X	ea.	
W-150	1B150	-----	2	7	-----	Copper	-----	-----	Similar to WIRE W-130, except includes braid and slight change in insulation. Previously known and service tested as WIRE W-130-T3.	-----	X	ft.	
WD-3/TT	1B190-3	-----	2	14	-----	Steel and copper	12 mil.	Cotton	Similar to WIRE W-130 except braid covered. Furnished in ¼ mi lg on SPOOL DR-8, and on 1 mi lg on REEL DR-4.	-----	X	rl.	
WS-1/TS	1B200-1	-----	1	7	-----	Steel and copper	0.026"	Weather-proofed	Furnished on taining 2 mi. cond of WIRE international ;	-----	X	ft.	
WS-2/U	1A1300-2	-----	-----	19	17	Copper	Bare	None	ASTM Spec 1 strength 850	-----	X	ft.	
WS-4/U	1A1300-4	-----	-----	7	-----	Galvanized steel	Bare	None	ANTENNA AN RADIO SET SC	-----	X	ft.	

"Number 130 assault wire gives a lot of trouble, but if properly protected, it is very good. Whenever the wire has been punctured, the holes should be sealed with tape, as the least bit of dampness will short out the line."

I DEFECTS OF W-143 WIRE.

Report of 397th Inf Regt, 100th Div:

"We think W-143 wire is unsuited for use by small units for these reasons:

- a. "Sufficient wire cannot be carried on the reels.
- b. "Frequently the insulation does not break when the wire does, making it very difficult to trouble-shoot.
- c. "Often a knife instead of the pliers must be used to skin the insulation for splicing--this takes too long under fire."