

Fig. 1
Kit Contents (unassembled): Connector, inner shield, outer shield (ferrules must be purchased separately)
Material and Finish: • Connector Shell: Steel, tin plated • Connector Insert: 94V-0 rated thermoplastic, black • Shield: Steel, tin plated • Contacts: Phosphor bronze • Contact Finish-Duplex Plated: A: 30µ gold on mating end, tin-lead on termination end, with entire contact nickel underplated

Fig. 2
Kit Contents (unassembled): Connector, inner shield, outer shield, enclosure, two jackscrews (ferrules must be purchased separately)
Material and Finish: • Connector Shell: Steel, tin plated • Connector Insert: 94V-0 rated thermoplastic, black • Shield: Steel, tin plated • Enclosure: PVC, black • Jackscrews: Zinc alloy • Contacts: Phosphor bronze • Contact Finish - Duplex Plated: A: 30µ gold on mating end, tin-lead on termination end, with entire contact nickel underplated B: Gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated

Fig. 3
Kit Contents (unassembled): Connector, inner shield, outer shield, enclosure, two jackscrews (contacts and ferrules must be purchased separately)
Material and Finish: • Connector Shell: Steel, tin plated • Connector Insert: 94V-0 rated thermoplastic, black • Shield: Steel, tin plated • Enclosure: PVC, black • Jackscrews: Zinc alloy

Fig. 4
Kit Contents (unassembled): Connector, inner shield, outer shield (contacts and ferrules must be purchased separately)
Material and Finish: • Connector Shell: Steel, tin plated • Connector Insert: 94V-0 rated thermoplastic, black • Shield: Steel, tin plated

Fig. 5
Kit Contents (unassembled): Connector, inner shield, outer shield, enclosure, two jackscrews (contacts and ferrules must be purchased separately)
Material and Finish: • Connector Shell: Steel, tin plated • Connector Insert: 94V-0 rated thermoplastic, black • Shield: Steel, tin plated HDP-22 contacts are to be used.

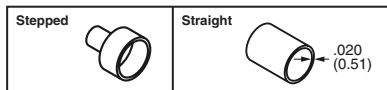
Fig. 6
Kit Contents (unassembled): Connector, inner shield, outer shield (contacts and ferrules must be purchased separately)
Material and Finish: • Connector Shell: Steel, tin plated • Connector Insert: 94V-0 rated thermoplastic, black • Shield: Steel, tin plated HDP-22 contacts are to be used.

Fig.	No. of Pos.	Max. Cable Diameter (mm)†	Sex	Contact Finish	AWG	Dimensions - mm		Digi-Key Part No.	Price Each		AMP Part No.
						A	B		1	25	
HDE-20 Basic Shielding Hardware Kits											
1	9	8.89	Male	A	26-22	38.61	17.22	A31540-ND	8.28	6.91	747515-7
	9	8.89	Female	A	26-22	38.61	17.22	A31541-ND	7.98	6.65	747516-7
	9	8.89	Female	B	26-22	38.61	17.22	A35213-ND	7.68	6.40	747516-9
	25	8.89	Female	A	26-22	38.61	39.37	A31543-ND	10.47	8.73	747548-8
	25	8.89	Male	B	26-22	38.61	39.37	A31509-ND	12.99	10.83	1-747547-0
25	8.89	Female	B	26-22	38.61	39.37	A31544-ND	6.53	5.45	747548-9	
HDE-20 Basic Shielding Hardware Enclosure Kits											
2	9	8.89	Male	A	26-22	34.42	—	A31512-ND	11.24	9.37	1-747944-5
	9	8.89	Male	B	26-22	34.42	—	A31513-ND	13.26	11.06	1-747944-6
	9	8.89	Female	A	30-26	34.42	—	A31510-ND	12.59	10.50	1-747943-5
	9	8.89	Female	A	26-22	34.42	—	A31511-ND	9.76	8.14	1-747943-6
	9	8.89	Female	B	26-22	34.42	—	A35216-ND	9.86	8.22	1-747943-7
	15	8.89	Male	B	26-22	42.80	—	A31515-ND	11.51	9.60	1-747946-6
	15	8.89	Female	A	30-26	42.80	—	A31514-ND	12.12	10.10	1-747945-5
	15	8.89	Male	A	26-22	42.80	—	A35214-ND	25.18	20.99	1-747946-5
	25	8.89	Male	A	30-26	56.13	—	A31518-ND	13.10	10.92	1-747948-5
	25	8.89	Male	A	26-22	56.13	—	A31519-ND	30.16	25.14	1-747948-6
	25	8.89	Male	B	26-22	56.13	—	A31520-ND	12.66	10.55	1-747948-8
	25	8.89	Female	A	26-22	56.13	—	A31516-ND	32.32	26.94	1-747947-6
	25	8.89	Female	B	26-22	56.13	—	A31517-ND	22.72	18.94	1-747947-7
37	14.27	Male	A	26-22	72.77	—	A35215-ND	24.98	20.82	1-747950-5	
HDP-20 Shielding Hardware Enclosure Kits											
3	9	8.89	Male	—	—	34.42	16.00	A31493-ND	10.37	8.65	1658655-1
	9	8.89	Female	—	—	34.42	16.00	A31492-ND	10.44	8.70	1658654-1
	15	8.89	Male	—	—	42.80	16.00	A31495-ND	10.77	8.98	1658657-1
	15	8.89	Female	—	—	42.80	16.00	A31494-ND	10.84	9.04	1658656-1
	25	8.89	Male	—	—	56.13	16.00	A31497-ND	11.38	9.49	1658659-1
	25	8.89	Female	—	—	56.13	16.00	A31496-ND	11.45	9.54	1658658-1
	37	11.43	Male	—	—	72.77	18.54	A31530-ND	14.81	12.35	5747958-1
	37	11.43	Female	—	—	72.77	18.54	A31498-ND	14.17	11.82	1658660-1
	50	11.43	Male	—	—	70.49	18.54	A31499-ND	16.29	13.58	1658661-1
	50	11.43	Female	—	—	70.49	18.54	A31531-ND	15.08	12.57	5747959-1
HDP-20 Basic Shielding Hardware Kits											
4	9	8.89	Male	—	—	17.78	38.99	A31483-ND	2.81	2.34	1648645-1
	9	8.89	Female	—	—	17.78	38.99	A31484-ND	2.23	1.87	1658646-1
	9	8.89	Male	—	—	17.78	38.99	A31536-ND	7.88	6.57	5748526-1
	15	8.89	Male	—	—	26.01	38.99	A31485-ND	3.07	2.56	1658647-1
	15	8.89	Female	—	—	26.01	38.99	A31529-ND	3.01	2.51	5747539-1
	15	8.89	Male	—	—	26.01	38.99	A35201-ND	7.00	5.84	570636-1
	25	8.89	Male	—	—	40.03	38.99	A31486-ND	3.51	2.93	1658648-1
	25	8.89	Female	—	—	40.03	38.99	A31487-ND	3.43	2.87	1658649-1
	25	8.89	Female	—	—	40.03	38.99	A31500-ND	8.48	7.07	1658662-1
	37	11.43	Male	—	—	56.26	48.06	A31488-ND	5.99	5.00	1658650-1
	37	11.43	Female	—	—	56.26	48.06	A31489-ND	7.14	5.95	1658651-1
	37	11.43	Male	—	—	56.26	48.06	A35202-ND	9.49	7.92	5786929-1
	44	11.43	Female	—	—	40.03	38.99	A35207-ND	11.68	9.74	5748636-1
50	11.43	Male	—	—	53.85	47.65	A31490-ND	11.95	9.96	1658652-1	
50	11.43	Female	—	—	53.85	47.65	A31491-ND	7.31	6.09	1658653-1	
HDP-22 Shielding Hardware Enclosure Kits - Crimp Snap-In Contact Connectors											
5	15	8.89	Male	—	—	41.66	34.42	A31504-ND	11.18	9.32	1658678-1
	15	8.89	Female	—	—	41.66	34.42	A31507-ND	13.97	11.65	1658688-1
	26	8.89	Male	—	—	41.66	42.80	A31505-ND	12.73	10.61	1658679-1
	26	8.89	Female	—	—	41.66	42.80	A31508-ND	16.63	13.86	1658689-1
	44	8.89	Male	—	—	41.66	56.13	A35208-ND	14.04	11.70	1658680-1
	44	8.89	Female	—	—	41.66	56.13	A35209-ND	16.53	13.78	5748641-1
	62	11.43	Male	—	—	41.66	72.64	A31534-ND	16.66	13.89	5748476-1
	62	11.43	Female	—	—	51.05	72.64	A31538-ND	20.54	17.12	5748642-1
78	11.43	Male	—	—	51.05	70.36	A31535-ND	20.06	16.72	5748477-1	
HDP-22 Basic Shielding Hardware Kits - Crimp Snap-In Contact Connectors											
6	15	8.89	Male	—	—	38.99	17.78	A31501-ND	3.36	2.80	1658675-1
	15	8.89	Female	—	—	38.99	17.78	A31537-ND	4.20	3.50	5748634-1
	26	8.89	Male	—	—	38.99	26.01	A31502-ND	8.99	7.50	1658676-1
	26	8.89	Female	—	—	38.99	26.01	A31506-ND	8.82	7.35	1658687-1
	44	8.89	Male	—	—	38.99	40.03	A31503-ND	9.09	7.58	1658677-1
	62	11.43	Male	—	—	48.06	56.26	A31532-ND	12.22	10.19	5748471-1

† Maximum cable diameter after jacket and braid removed ‡ Clinch Nut Mounting Method † See drawing for dimensions

AMPLIMITE®
Die Sets and Ferrules for Shielding Hardware Kits

Material and Finish: Steel (annealed), tin plated



Cable Diameter Inch (mm)	Dimension - Length Inch (mm)	Digi-Key Part No.	Price Each	AMP Part No.
Stepped Ferrules				
.165 - .246 (4.19 - 6.25)	.440 (11.18)	A31524-ND	.53	3-747579-0
.230 - .265 (5.84 - 6.73)	.625 (15.88)	A31546-ND	14.14	2-747580-4
.246 - .324 (6.25 - 8.23)	.440 (11.18)	A31525-ND	.40	3-747579-2
.324 - .375 (8.23 - 9.53)	.440 (11.18)	A31526-ND	.46	3-747579-4
.375 - .432 (9.53 - 10.97)	.625 (15.88)	A31522-ND	1.28	2-747580-1
.422 - .49 (10.72 - 12.45)	.625 (15.88)	A31528-ND	1.58	3-747580-1
Straight Ferrules				
.375 - .435 (9.53 - 11.05)	.440 (11.18)	A31521-ND	3.27	2-747579-7
.400 - .455 (10.16 - 11.56)	.440 (11.18)	A31527-ND	1.02	3-747579-6
.480 - .562 (12.19 - 14.28)	.625 (15.88)	A31523-ND	1.02	2-747580-2
Crimp Tooling Stepped Ferrule Die Sets				
.217 - .246 (5.51 - 6.25)	.440 (11.18)	A23579-ND	528.53	543424-8
.246 - .284 (6.25 - 7.21)	.440 (11.18)	A23580-ND	499.47	543424-1
Hand Crimping Tool (for above die sets)		A23576-ND	836.57	543344-1

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