PRODUCT FINDER

FOR CRIMPING PLIERS: WIRE FERRULES

The different designs and cross-sections of wire ferrules require special tools for reliable crimping. Find the right one for you here: from classic pliers to versatile system pliers with interchangeable crimping dies.

Illustration	Product	Art. no.	Crimping die		Illustration: Plug connectors	With or without plastic collar: Cable mm² ▶ 0.14	0.25	0.34	0.5	0.75	1	1.5	2.5	4	6	10	16	25	35	50	Twin wire ferrules with plastic collar: 2x0.5	2x0.75	2x1	2x1.5	2x2.5	2x4	2x6	2x10	2x16
	⇄ Crimp System Pliers	97 43 200 A		97 49 08*		–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
				97 49 09*		–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–
				97 49 18*		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●
				97 49 19*		–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–
	⇄ KNIPEX MultiCrimp	97 33 01		97 39 08		–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		97 33 02		97 39 08		–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–
				97 39 09		–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–
	KNIPEX PreciForce	97 52 38	–	–		–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Crimping pliers with lever action	97 52 08	–	–		–	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		97 52 09	–	–		–	–	–	–	–	–	–	–	–	–	●	●	●	–	–	–	–	–	–	–	–	–	–
		97 52 18	–	–		–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	●
		97 52 19	–	–		–	–	–	–	–	–	–	–	–	–	–	–	–	●	●	–	–	–	–	–	–	–	–
	Self-adjusting crimping pliers	97 53 04	–	–		●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	●	●	●	●	●	●	●	–	–
		97 53 14	–	–		●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	●	●	●	●	●	●	●	●	–
	Self-adjusting crimping pliers	97 53 09	–	–		●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	●	●	●	●	●	●	●	–	–
	KNIPEX Twistor®	97 53 18	–	–		●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	●	●	●	●	●	●	●	–	–
		97 53 19	–	–		●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	●	●	●	●	●	●	●	–	–
	Crimping pliers with trapezoidal crimp	97 6X 145	–	–		–	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	Crimping pliers with mandrel crimp	97 7X 180	–	–		–	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–
	Crimping pliers with front loading	97 8X 180	–	–		–	–	–	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	–	–	–	–

⇄ Interchangeable crimping dies
* Crimp inserts not included in delivery

Extraction values (min)

Nominal cross-section Cable mm²	AWG	Wire ferrule EN 60947-1 N	Wire ferrule EN 60999-1 N	Open crimp ferrule EN 60352 N
0.05	30	–	–	–
0.08	28	–	–	11
0.10	27	–	–	–
0.12	26	–	–	15
0.16	25	–	–	18
0.20	24	10	10	28
0.25	23	–	–	32
0.32	22	–	15	40
0.41	21	–	–	–
0.50	20	30	20	60
0.75	19	30	30	85
0.82	18	–	–	90
1.00	17	35	35	108
1.30	16	–	–	135
1.50	15	40	40	150
2.10	14	–	–	200
2.50	13	50	50	230
3.30	12	–	–	275
4.00	11	60	60	310
5.30	10	–	–	355
6.00	9	80	80	360
8.40	8	–	–	370
10.00	7	90	90	380
13.30	6	–	–	–
16.00	5	100	100	**Large cross-sections** Tensile load for aluminium conductors: 40 x Ø (max. 20,000 N)
21.20	4	–	–	
25.00	3	135	135	
35.00	2	190	190	
50.00	1/0	236	236	Tensile load for copper conductors: 60 x Ø (max. 20,000 N)
70.00	2/0	285	285	
95.00	3/0	351	351	
120.00	4/0	427	427	
150.00	–	427	427	
185.00	–	503	503	
240.00	–	578	578	
300.00	–	578	578	

EN 60999-2

EN 60947-1: Stand 12/02
EN 60999-1: Stand 12/00
EN 60999-2: Stand 4/04

Online crimping guide

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