



Connector Selection Guide

HELIFLEX® Air-Dielectric Cables

Model Number	Description	Sealing Method	Plating Outer/Inner	Contact Attachment Inner	Contact Attachment Outer	Length, mm (in)	Outer Dia., mm (in)	Weight, kg (lb)
HCA38-50 SERIES								
716F-HCA38-020	7-16 DIN Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	61 (2.40)	29 (1.14)	0.15 (0.33)
716M-HCA38-020	7-16 DIN Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	60 (2.36)	36.5 (1.44)	0.16 (0.35)
NF-HCA38-020	N Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	68 (2.68)	25 (0.98)	0.15 (0.33)
NM-HCA38-020	N Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	66 (2.60)	25 (0.98)	0.14 (0.31)
78EIA-HCA38-020	7/8" EIA Female Gas Pass	Plast 2000	Silver/Silver	Tapping	Tab Flare	57 (2.24)	25 (0.98)	0.38 (0.84)
HCA12-50 SERIES								
716F-LCF12-060	7-16 DIN Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	57.0 (2.3)	29.0 (1.2)	0.13 (0.29)
716M-LCF12-060	7-16 DIN Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	58.0 (2.3)	37.0 (1.5)	0.16 (0.36)
716MR-LCF12-061	7-16 DIN Male Right angle	Plast 2000	Silver/Silver	Basket	Spring Finger	43.2 (1.7)	37.0 (1.5)	0.19 (0.42)
NF-LCF12-060	N Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	50.0 (2.0)	22.0 (0.9)	0.10 (0.23)
NFS-LCF12-011	N Female Panel mount	Plast 2000	Silver/Silver	Basket	Spring Finger	51.0 (2.0)	34.0 (1.3)	0.19 (0.42)
NF-LCF12-065	N Female RAPID FIT	Plast 2000	Silver/Gold	Basket	Spring Finger	55.0 (2.2)	22.0 (0.9)	0.10 (0.22)
NM-LCF12-060	N Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	58.6 (2.3)	22.0 (0.9)	0.11 (0.25)
NMR-LCF12-061	N Male Right angle	Plast 2000	Silver/Silver	Basket	Spring Finger	45.4 (1.8)	22.0 (0.9)	0.15 (0.34)
NM-LCF12-065	N Male RAPID FIT	Plast 2000	Silver/Gold	Basket	Spring Finger	65.0 (2.6)	22.0 (0.9)	0.11 (0.25)
4195F-LCF12-060	4.1-9.5 Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	51.0 (2.0)	22.0 (0.9)	0.11 (0.25)
4195M-LCF12-060	4.1-9.5 Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	51.6 (2.0)	25.0 (1.0)	0.12 (0.27)
78EIA-LCF12-060	7/8" EIA RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	85.0 (3.4)	57.0 (2.3)	0.28 (0.62)
UHFF-LCF12-060	UHF Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	61.0 (2.4)	22.0 (0.9)	0.10 (0.23)
UHFM-LCF12-060	UHF Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Spring Finger	59.2 (2.3)	22.0 (0.9)	0.10 (0.23)
716F-LCF12-070	7-16 DIN Female RAPID FIT	O-ring	Silver/Silver	Basket	Spring Finger	57.0 (2.3)	29.0 (1.2)	0.15 (0.34)
716FB-LCF12-072	7-16 DIN Female Bulkhead	O-ring	Silver/Silver	Basket	Spring Finger	57.0 (2.3)	48 (1.9)	0.15 (0.34)
716M-LCF12-070	7-16 DIN Male RAPID FIT	O-ring	Silver/Silver	Basket	Spring Finger	58.0 (2.3)	37.0 (1.5)	0.15 (0.34)
716MR-LCF12-071	7-16 DIN Male Right angle	O-ring	Silver/Silver	Basket	Spring Finger	43.2 (1.7)	37.0 (1.5)	0.19 (0.42)
NF-LCF12-070	N Female RAPID FIT	O-ring	Silver/Silver	Basket	Spring Finger	50.0 (2.0)	22.0 (0.9)	0.11 (0.25)
NM-LCF12-070	N Male RAPID FIT	O-ring	Silver/Silver	Basket	Spring Finger	58.6 (2.3)	22.0 (0.9)	0.11 (0.25)
NMR-LCF12-071	N Male Right angle	O-ring	Silver/Silver	Basket	Spring Finger	45.4 (1.8)	22.0 (0.9)	0.18 (0.40)
78EIA-LCF12-002	7/8" EIA	O-ring	Brass/Silver	Basket	Self Flare	86.4 (3.4)	25.4 (1.0)	0.17 (0.38)
UHFF-LCF12-001	UHF Female	O-ring	Brass/Silver	Basket	Self Flare	81.3 (3.2)	25.4 (1.0)	0.18 (0.40)
UHFM-LCF12-001	UHF Male Knurled nut	O-ring	Brass/Silver	Basket	Self Flare	78.7 (3.1)	25.4 (1.0)	0.17 (0.38)
C-LCF12-002	Splice	O-ring	Brass/Silver	Basket	Self Flare	91.4 (3.6)	25.4 (1.0)	0.18 (0.40)
C-LCF12-011	Splice, Indoor	N/A	Silver/Silver	Basket	Spring Finger	81 (3.2)	23.8 (0.9)	0.42 (0.93)
HCA58-50 SERIES								
716M-HCA58-020	7-16 DIN Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	72 (2.84)	36.5 (1.44)	0.25 (0.55)
NF-HCA58-020	N Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	92 (3.62)	33 (1.30)	0.25 (0.55)
NM-HCA58-020	N Male RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	95 (3.74)	33 (1.30)	0.26 (0.57)
78EIA-HCA58-020	7/8" EIA Female RAPID FIT	Plast 2000	Silver/Silver	Basket	Threaded	107 (4.21)	57.2 (2.25)	0.49 (1.08)
HCA78-50 SERIES								
716F-HCA78-020	7-16 DIN Female RAPID FIT	Plast 2000	Silver/Silver	Spring Finger	Threaded	72 (2.84)	39.5 (1.55)	0.33 (0.73)
716M-HCA78-020	7-16 DIN Male RAPID FIT	Plast 2000	Silver/Silver	Spring Finger	Threaded	74 (2.91)	39.5 (1.55)	0.40 (0.88)
NF-HCA78-020	N Female RAPID FIT	Plast 2000	Silver/Silver	Spring Finger	Threaded	77 (3.03)	39.5 (1.55)	0.33 (0.73)
NM-HCA78-020	N Male RAPID FIT	Plast 2000	Silver/Silver	Spring Finger	Threaded	80 (3.15)	39.5 (1.55)	0.34 (0.75)
78EIA-HCA78-020	7/8" EIA Female RAPID FIT	Plast 2000	Silver/Silver	Spring Finger	Threaded	91 (3.58)	57.2 (2.25)	0.54 (1.19)
CP-HCA78-001	Splice Gas Pass	Plast 2000	Silver/Silver	Tapping	Tab Flare	90 (3.54)	42 (1.65)	0.50 (1.10)
NF-HCA78-001	N Female	O-ring	Brass/Silver	Self Tapping	Tab Flare	99 (3.9)	36 (1.4)	0.4 (0.85)
NFT-HCA78-002	N Female Tunable	O-ring	Brass/Silver	Self Tapping	Tab Flare	188 (7.4)	46 (1.8)	1.0 (2.25)
NM-HCA78-001	N Male	O-ring	Brass/Silver	Self Tapping	Tab Flare	99 (3.9)	36 (1.4)	0.4 (0.85)
NM-HCA78-002	N Male	O-ring	Silver/Gold	Self Tapping	Self Flare	99 (3.9)	36 (1.4)	0.4 (0.85)
NMT-HCA78-002	N Male Tunable	O-ring	Brass/Silver	Self Tapping	Tab Flare	188 (7.4)	46 (1.8)	1.0 (2.25)
78EIA-HCA78-001	7/8" EIA Gas Barrier	O-ring	Brass/Silver	Self Tapping	Tab Flare	89 (3.5)	36 (1.4)	0.5 (1.2)
78EIA-HCA78-001	7/8" EIA Gas Pass	O-ring	Brass/Silver	Self Tapping	Tab Flare	89 (3.5)	36 (1.4)	0.6 (1.3)
CP-HCA78-005	Splice	O-ring	Brass/Brass	Self Tapping	Tab Flare	137 (5.4)	36 (1.4)	0.6 (1.3)
HCA118-50 SERIES								
716F-HCA118-001	7-16 DIN Female Gas Barrier	Plast 2000	Silver/Silver	Plug Finger	Tab Flare	102 (4.02)	59 (2.32)	1.07 (2.36)
NF-HCA118-001	N Female Gas Barrier	Plast 2000	Silver/Silver	Plug Finger	Tab Flare	115 (4.53)	59 (2.32)	1.10 (2.43)
NM-HCA118-001	N Male Gas Barrier	Plast 2000	Silver/Silver	Plug Finger	Tab Flare	115 (4.53)	59 (2.32)	1.18 (2.60)
78EIA-HCA118-001	7/8" EIA Female Gas Barrier	Plast 2000	Silver/Silver	Plug Finger	Tab Flare	117 (4.61)	59 (2.32)	1.32 (2.91)
158EIA-HCA118-001	1-5/8" EIA Female Gas Barrier	Plast 2000	Silver/Silver	Plug Finger	Tab Flare	128 (5.04)	59 (2.32)	1.75 (3.86)

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HCA158-50 SERIES								
716F-HCA158-001	7-16 DIN Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	150 (5.91)	74 (2.91)	1.67 (3.68)
716M-HCA158-001	7-16 DIN Male Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	150 (5.91)	74 (2.91)	1.67 (3.68)
NM-HCA158-001	N Male Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	163 (6.42)	74 (2.91)	2.00 (4.41)
158EIA-HCA158-001	1-5/8" EIA Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	152 (5.98)	90 (3.54)	2.11 (4.65)
CP-HCA158-004	Splice Gas Pass	Plast 2000	Silver/Silver	Threaded	Tab Flare	215 (8.47)	80 (3.15)	1.70 (3.75)
NF-HCA158-001	N Female	O-ring	Silver/Gold	Threaded	Tab Flare	135 (5.31)	63 (2.5)	1.4 (3.0)
NF-HCA158-002	N Female	O-ring	Brass/Silver	Threaded	Tab Flare	135 (5.31)	63 (2.5)	1.4 (3.0)
NM-HCA158-002	N Male	O-ring	Brass/Silver	Threaded	Tab Flare	133 (5.25)	63 (2.5)	1.4 (3.0)
78EIA-HCA158-001	7/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	105 (4.14)	63 (2.5)	1.81 (4.0)
78EIA-HCA158-001	7/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	105 (4.14)	63 (2.5)	1.81 (4.0)
158EIA-HCA158-002	1-5/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	116 (4.55)	89 (3.5)	1.91 (4.2)
158EIA-HCA158-001	1-5/8" EIA Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	116 (4.55)	89 (3.5)	1.91 (4.2)
CP-HCA158-005	Splice	O-ring	Brass/Brass	Threaded	Tab Flare	123 (4.83)	63 (2.5)	1.95 (4.3)
HCA214-50 SERIES								
NF-HCA214-001	N Female	O-ring	Silver/Gold	Threaded	Tab Flare	135.3 (5.32)	73 (2.88)	1.63 (3.6)
78EIA-HCA214-001	7/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	105 (4.14)	73 (2.88)	1.77 (3.9)
78EIA-HCA214-001	7/8" EIA Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	105 (4.14)	73 (2.88)	1.77 (3.9)
158EIA-HCA214-001	1-5/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	115.6 (4.55)	89.4 (3.52)	1.68 (3.7)
158EIA-HCA214-001	1-5/8" EIA Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	115.6 (4.55)	89.4 (3.52)	1.68 (3.7)
318EIA-HCA214-001	3-1/8" EIA Female Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	127 (5)	136.8 (5.2)	1.81 (4.0)
318EIA-HCA214-001	3-1/8" EIA Female Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	127 (5)	136.8 (5.2)	1.81 (4.0)
CP-HCA214-005	Splice	O-ring	Brass/Brass	Threaded	Tab Flare	122.6 (4.83)	73 (2.88)	1.72 (3.8)
HCA295-50 SERIES								
158EIA-HCA295-002	1-5/8" EIA Female	Plast 2000	Silver/Silver	Threaded	Tab Flare	170 (6.69)	119 (4.69)	4.00 (8.82)
318EIA-HCA295-001	3-1/8" EIA Female	Plast 2000	Silver/Silver	Threaded	Tab Flare	175 (6.89)	131 (5.2)	4.80 (10.58)
CP-HCA295-003	Splice Gas Pass	Plast 2000	Silver/Silver	Threaded	Tab Flare	252 (9.92)	119 (4.69)	4.30 (9.48)
HCA300-50 SERIES								
318EIA-HCA300-005	3-1/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	203 (8.0)	131 (5.2)	4.60 (10.15)
318EIA-HCA300-001	3-1/8" EIA Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	201 (7.9)	131 (5.2)	4.60 (10.15)
CP-HCA300-005	Splice	O-ring	Brass/Brass	Threaded	Tab Flare	191 (7.5)	114 (4.5)	4.58 (10.10)
HCA318-50 SERIES								
158EIA-HCA318-001	1-5/8" EIA	Plast 2000	Silver/Silver	Threaded	Tab Flare	200 (7.87)	128 (5.04)	3.50 (7.72)
CP-HCA318-001	Splice Gas Pass	Plast 2000	Silver/Silver	Threaded	Tab Flare	214 (8.43)	128 (5.04)	1.10 (2.43)
318EIA-HCA318-001	3-1/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	155 (6.1)	127 (5)	4.76 (10.5)
318EIA-HCA318-002	3-1/8" EIA Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	155 (6.1)	127 (5)	4.76 (10.5)
318EIA-HCA318-001	3-1/8" EIA Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	155 (6.1)	127 (5)	4.76 (10.5)
CP-HCA318-005	Splice	O-ring	Brass/Brass	Threaded	Tab Flare	210 (8.3)	127 (5)	4.63 (10.2)
HCA418-50 SERIES								
412EIA-HCA418-001	4-1/2" IEC Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	245 (9.65)	177 (6.97)	12.20 (26.90)
618EIA-HCA418-001	6-1/8" EIA Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	295 (11.61)	210 (8.27)	17.0 (37.5)
618EIA-HCA418-002	6-1/8" EIA Male Gas Barrier	O-ring	Brass/Silver	Threaded	Tab Flare	114 (4.4)	158 (6.2)	9.3 (20.5)
618EIA-HCA418-001	6-1/8" EIA Male Gas Pass	O-ring	Brass/Silver	Threaded	Tab Flare	114 (4.4)	158 (6.2)	9.3 (20.5)
HCA500-50 SERIES								
412EIA-HCA500-001	4-1/2" IEC Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	300 (11.81)	212 (8.35)	5.00 (11.02)
618EIA-HCA500-002	6-1/8" EIA Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	310 (12.21)	212 (8.35)	25.6 (56.44)
HCA618-50 SERIES								
618EIA-HCA618-002	6-1/8" EIA Female Gas Barrier	Plast 2000	Silver/Silver	Threaded	Tab Flare	312 (12.28)	219 (8.62)	25.50 (56.22)
HCA800-50 SERIES								
100230-HCA800-001	100-230 Female Welding, High Power	Plast 2000	Chromating/Silver	Threaded	Welding Tab Flare	470 (18.50)	310 (12.21)	
100230-HCA800-002	100-230 Female Welding, High Power	Plast 2000	Hard coat/Silver	Threaded	Welding Tab Flare	470 (18.50)	310 (12.21)	
100230-HCA800-005	100-230 Female Welding	Plast 2000	Chromating/Silver	Threaded	Welding Tab Flare	470 (18.50)	310 (12.21)	
100230-HCA800-009	100-230 Female Welding	Plast 2000	Hard coat/Silver	Threaded	Welding Tab Flare	470 (18.50)	310 (12.21)	
CP-HCA800-001	Splice Welding, High Power	Plast 2000	Chromating/Silver	Threaded	Welding Tab Flare	617 (24.29)	385 (15.16)	
CP-HCA800-003	Splice Welding	Plast 2000	Chromating/Silver	Threaded	Welding Tab Flare	617 (24.29)	385 (15.16)	
CP-HCA800-009	Splice Welding	Plast 2000	Hard coat/Silver	Threaded	Welding Tab Flare	617 (24.29)	385 (15.16)	



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HCA900-50T SERIES								
100230-HCA900-001	100-230 Female Welding	Plast 2000	Chromating/Silver	Threaded	Welding Tab Flare	535 (21.06)	354 (13.94)	
100230-HCA900-004	100-230 Female Welding	Plast 2000	Hard coat/Silver	Threaded	Welding Tab Flare	535 (21.06)	354 (13.94)	
CP-HCA900-003	Splice Welding	Plast 2000	Chromating/Silver	Threaded	Welding Tab Flare	550 (21.65)	325 (12.80)	
CP-HCA900-004	Splice Welding	Plast 2000	Hard coat/Silver	Threaded	Welding Tab Flare	550 (21.65)	325 (12.80)	
COUPLING ELEMENTS								
78EIA-CE-001	7/8" EIA Coupling Element, long	O-ring	Silver	Spring Finger		49.3 (1.9)	21 (0.83)	0.05 (0.10)
78EIA-CE-002	7/8" EIA Coupling Element	O-ring	Silver	Spring Finger		49 (1.93)	21 (0.83)	0.06 (0.13)
158EIA-CE-001	1-5/8" EIA Coupling Element, long	O-ring	Silver	Spring Finger		82.6 (3.3)	42 (1.65)	0.07 (0.15)
158EIA-CE-002	1-5/8" EIA Coupling Element	O-ring	Silver	Spring Finger		60 (2.36)	42 (1.65)	0.17 (0.37)
318EIA-CE-002	3-1/8" EIA Coupling Element	O-ring	Silver	Spring Finger		101 (3.98)	81 (3.19)	0.59 (1.30)
412EIA-CE-002	4-1/2" EIA Coupling Element	O-ring	Silver	Spring Finger		77 (3.03)	105 (4.13)	1.09 (2.40)
618EIA-CE-002	6-1/8" EIA Coupling Element	O-ring	Silver	Spring Finger		109 (4.29)	154 (6.06)	2.14 (4.72)
100230-CE-002	100-230 Coupling Element	O-ring	Silver	Spring Finger		288 (11.34)	310 (12.21)	