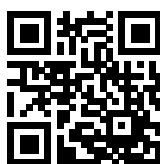


# Power Cord with Locking System for Inlet Filters IL 13, IL 13 P, IL 19



- Locking system for standardized IEC C14/C20 inlet filter
- No accidental disconnection
- Rated current up to 10 A (C13 plug), up to 15 A (C13P plug), and up to 20 A (C19 plug)
- Fits any Schaffner IEC C14/C20 inlet filter
- Retrofit for any IEC C14/C20 inlet
- Various power line plugs for international usage



## Approvals & Compliances



The locking system has a tensile force of typical 200N. It is recommended to use it with flange mount filters. For details refer to our Application Note "Using IEC Lock Power Cords with IEC Inlets and Filters"

Schaffner power cords with IEC lock guard against accidental disconnection of all electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. Easy retrofit for all electronic equipments and devices.

## Features and Benefits

- Power cord with locking system for IEC inlets
- Protection class I (IL 13, IL 13 P)
- Suitable for use with any C14 IEC inlet (IL 13, IL 13 P) and C20 IEC inlet (IL 19)
- Fits the complete Schaffner IEC inlet filter program with C14 IEC inlet and C20 IEC inlet (IL 19)
- Max. pin temperature 70°C

## Typical Applications

- Data centers
- Industrial equipment
- Medical devices
- In-vitro diagnostic devices
- Broadcasting stations
- Mobile applications

## Technical Specifications IL 13/IL 13 P

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	10 A for C13 plug, 15 A for C13P plug
High potential test voltage	P-> PE 2000 VAC (1 min 50 Hz) P-> N 2000 VAC (1 min 50 Hz)
Protection category	IP 20 according IEC 60529
Temperature range (operation and storage)	-25°C to +70°C
Connector (load side)	IEC C13 according to IEC/EN 60320-2-2 with IEC Lock UL 498, CSA C22.2 no. 42 (for cold conditions) pin temp. 70°C, up to 15 A, Protection Class I
Connector (line side) and cables	Please refer to table on page 2 and 3
Flammability corresponding to	Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

## Technical Specifications IL 19

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	16 A (IEC), 20 A (UL)
Operating frequency	50 to 400 Hz
High potential test voltage	P-> PE 2000 VAC (1 min 50 Hz) P-> N 2000 VAC (1 min 50 Hz)
Protection category	IP 20 according IEC 60529
Temperature range (operation and storage)	-25°C to +70°C
Connector (load side)	IEC C19 according to IEC/EN 60320-2-2 with IEC lock, UL 498, CSA C22.2 no. 42 (for cold conditions) pin temp. 70°C, up to 20 A, Protection Class I
Connector (line side) and cables	please refer to table on page 4
Flammability corresponding to	Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

### Cable Selection Table IL 13

<b>IL 13-C14-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL 13-C14-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL 13-CH1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, CH version
<b>IL 13-EU1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL 13-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, JP version
<b>IL 13-SE-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, stripped ends
<b>IL 13-UK1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, UK version
<b>IL 13-US1-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL 13-US2-SJT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version, hospital grade

To compile a complete part number, please replace the X\* with the required length (please refer to table below for available length per cable type):  
 - X\* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

### Available Combinations IL 13

To compile a complete part number exchange the letters (IL13-yyy-zzz-aaa-bbb-c) with the data from the table below.

Load side IL13		Line side plug	Cable type		Cable core	Rating	Cable length*		Cable color	Cert.																				
IL13		yyy	zzz		aaaa		bbb	c																						
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	H05VV-F	H05	3x1.00mm <sup>2</sup>	3100	250VAC	10A	Black	-	CB																		
		Australian plug 3 pins	AU1										KEMA																	
		SEV1011, straight	CH1																											
		CEE 7/VI, right angled	EU1											6 feet	183															
		CEE 7/VI, straight	EU2											200 cm	200															
		Italian Plug	IT1											9 feet	275															
		Israel Plug	IL1											300 cm	300															
		Korean Plug	KC1											12 feet	366															
		South African Plug	SA1											400 cm	400															
		Stripped Ends	SE											500 cm	500															
		BS1363, right angled fused 5A	UK1											1000 cm	1000															
		BS1363, right angled fused 10A	UK2																											
		IL13	IEC C13 Female plug, straight, lock											IEC C14, male, straight	C14	HVCTF	HVCTF	3x1.25mm <sup>2</sup>	3125	125VAC	12A	Black	-	PSE						
Japanese Plug JIS C8303 insulated sleeves	JP1			3x2.00mm <sup>2</sup>	3200	15A	Blue	B																						
Stripped Ends	SE								100 cm	100																				
									200 cm	200																				
									300 cm	300																				
		400 cm	400																											
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	SJT	SJT	AWG 18	3100	125VAC	10A	Black	-	UL																		
		Stripped Ends	SE										NEMA5-15, straight	SJT	SJT	AWG 16	3130	13A	Blue	B										
		NEMA5-15, straight	US1																		NEMA5-15, straight, hospital grade	SJT	SJT	AWG 14	3160	15A	Orange	O		
			US2																										6 feet	183
																													200 cm	200
																													9 feet	275
																													300 cm	300
		12 feet	366																											
		400 cm	400																											
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC	10A	Black	-	CCC																		
		Chinese plug	CN1										White	W																
		Stripped Ends	SE												200 cm	200														
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	BIS 694 1000V	BIS694	3x1.00mm <sup>2</sup>	3100	250VAC	10A	Black	-	CB																		
		Indian plug 3 Pin	IN1										Orange	O																
		Stripped Ends	SE												Red	R														
																	White	W												

\*feet values are calculated to the matching length in cm

### Cable Selection Table IL 13 P

<b>IL 13 P-C14-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, EU version
<b>IL 13 P-CH1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, CH version
<b>IL 13 P-EU1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, EU version
<b>IL 13 P-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, JP version
<b>IL 13 P-SE-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, stripped ends
<b>IL 13 P-UK1-H05-3100-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, UK version
<b>IL 13 P-US1-SJT-3160-X*</b>	IEC cable assembly with locking system + for IEC C14 inlet, US version

To compile a complete part number, please replace the X\* with the required length (please refer to table below for available length per cable type):

- X\* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

### Available Combinations IL 13 P

To compile a complete part number exchange the letters (IL13P-yyy-zzz-aaaa-bbb-c) with the data from the table below.

Load side IL13P		Line side plug		Cable type		Cable core	Rating	Cable length*		Cable color	Cert.			
IL13P		yyy	zzz	aaaa	bbb	c								
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	H05VV-F	H05	3x1.00mm <sup>2</sup>	3100	250VAC	10A	6 feet	183	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA
		Australian plug 3 pins	AU1							200 cm	200			
		SEV1011, straight	CH1							9 feet	275			
		CEE 7/II, right angled	EU1							300 cm	300			
		CEE 7/II, straight	EU2							12 feet	366			
		Italian Plug	IT1							400 cm	400			
		Israel Plug	IL1							500 cm	500			
		Korean Plug	KC1							1000 cm	1000			
		South African Plug	SA1											
		Stripped Ends	SE											
		BS1363, right angled fused 5A	UK1											
		BS1363, right angled fused 10A	UK2											
		IL13P	IEC C13 + Female plug, straight, lock							IEC C14, male, straight	C14			
Japanese Plug JIS C8303 insulated sleeves	JP1			200 cm	200									
Stripped Ends	SE			300 cm	300									
				400 cm	400									
				500 cm	500									
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	SJT SVT	SJT SVT	AWG 18	3100	125VAC	10A	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL
		Stripped Ends	SE							200 cm	200			
		NEMA5-15, straight	US1							9 feet	275			
		NEMA5-15, straight, hospital grade	US2							300 cm	300			
										12 feet	366			
										400 cm	400			
										500 cm	500			
		1000 cm	1000											
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC	10A	200 cm	200	Black Blue Orange Red White	- B O R W	CCC
		Chinese plug	CN1											
		Stripped Ends	SE											
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight	C14	BIS 694 1000V	BIS694	3x1.00mm <sup>2</sup>	3100	250VAC	10A	200 cm	200	Black Blue Orange Red White	- B O R W	CB
		Indian plug 3 Pin	IN1											
		Stripped Ends	SE											

\*feet values are calculated to the matching length in cm

## Cable Selection Table IL 19

<b>IL 19-C20-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL 19-C20-SJT-3160-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, US version
<b>IL 19-EU1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL 19-SE-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, stripped ends
<b>IL 19-UK1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, UK version
<b>IL 19-US1-SJT-3160-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, US version

To compile a complete part number, please replace the X\* with the required length (please refer to table below for available length per cable type):

- X\* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

## Available Combinations IL 19

To compile a complete part number exchange the letters (IL19-yyy-zzz-aaaa-bbb-c) with the data from the table below.

Load side IL19		Line side plug	Cable type		Cable core	Rating*	Cable length**		Cable color	Cert.				
IL19		yyy	zzz		aaaa		bbb		c					
<b>IL19</b>	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	H05VV-F	H05	3x1.50mm <sup>2</sup>	3150	16A	6 feet	183	Black Blue Orange Red White	-	B O R W	CB KEMA SAA
		Australian plug 3 pins	AU1					15A	200 cm	200				
		SEV1011, straight	CH1					16A	9 feet	275				
		CEE 7/VI, right angled or straight	EU1					16A	300 cm	300				
		Italian Plug	IT1					16A	12 feet	366				
		South Africa plug	SA1					16A	400 cm	400				
		Stripped Ends	SE					16A	500 cm	500				
		BS1363, right angled fused 13A	UK1					13A	1000 cm	1000				
<b>IL19</b>	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	HVCTF	HVCTF	3x2.00mm <sup>2</sup>	3200	15A	100 cm	100	Black Blue Orange Red White	-	B O R W	PSE
		Japanese Plug JIS C8303 insulated sleeves	JP1					200 cm	200					
		Stripped Ends	SE					300 cm	300					
								400 cm	400					
								500 cm	500					
<b>IL19</b>	IEC C19 Female plug, straight, lock	IEC C20, male, straight	C20	SJT	SJT	AWG14	3160	125V	6 feet	183	Black Blue Orange Red White	-	B O R W	UL
		Stripped Ends	SE					15A	200 cm	200				
		NEMA5-15, straight	US1					20A	9 feet	275				
		Nema 5-20P	US4						300 cm	300				
									12 feet	366				
									400 cm	400				
			500 cm	500										
			1000 cm	1000										
<b>IL19</b>	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RVVF	RVVF	3x1.50mm <sup>2</sup>	3150	16A	200 cm	200	black	-	CCC	

\* if not separately mentioned 250VAC is rated voltage

\*\* feet values are calculated to the matching length in cm

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