

# Power Cord with Locking System for Inlet Filters IL13, IL13P, IL19



- 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 (IL13, IL13P)
- Suitable for use with any C14 IEC inlet (IL13, IL13P) and C20 IEC inlet (IL19)
- Fits the complete Schaffner IEC inlet filter program with C14 IEC inlet and C20 IEC inlet (IL19)
- Max. pin temperature 70°C
- New DUAL locking cord

## Typical Applications

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

## Technical Specifications IL13 / IL13P

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 IL19

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 IL13

<b>IL13-C14-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL13-C14-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL13-CH1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, CH version
<b>IL13-EU1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, EU version
<b>IL13-JP1-HVCTF-3125-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, JP version
<b>IL13-SE-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, stripped ends
<b>IL13-UK1-H05-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, UK version
<b>IL13-US1-SVT-3100-X*</b>	IEC cable assembly with locking system for IEC C14 inlet, US version
<b>IL13-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 IL13

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 Australian plug 3 pins SEV1011, straight CEE 7/VI, right angled CEE 7/VI, straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A BS1363, right angled fused 10A	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									
			200 cm						200													
			9 feet						275													
			300 cm						300													
			12 feet						366													
			400 cm						400													
			500 cm						500													
			1000 cm						1000													
			IEC C14, male, straight						C14	HVCTF				HVCTF	3x1.25mm <sup>2</sup> 3x2.00mm <sup>2</sup>	3125 3200	125VAC 12A 15A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
			Japanese Plug JIS C8303 insulated sleeves						JP1													
			Stripped Ends						SE													
			IL13						IEC C13 Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMA5-15, straight NEMA5-15, straight, hospital grade				C14	SJT SVT	SJT SVT	AWG 18 AWG 16 AWG 14	3100 3130 3160	125VAC 10A 13A 15A	6 feet	183	Black Blue Orange Red White
200 cm	200																					
9 feet	275																					
300 cm	300																					
12 feet	366																					
400 cm	400																					
500 cm	500																					
1000 cm	1000																					
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14 CN1 SE	RVV	RVV	3x1.00mm <sup>2</sup>	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CCC									
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Indian plug 3 Pin Stripped Ends	C14 IN1 SE	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									

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



### Cable Selection Table IL19

<b>IL19-C20-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL19-C20-SJT-3160-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, US version
<b>IL19-EU1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, EU version
<b>IL19-SE-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, stripped ends
<b>IL19-UK1-H05-3150-X*</b>	IEC cable assembly with locking system for IEC C20 inlet, UK version
<b>IL19-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 IL19

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						
IL19	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/VII, 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				
IL19	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				
IL19	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 cUL	
		Stripped Ends	SE						200 cm	200				
		NEMAS-15, straight	US1						9 feet	275				
		Nema 5-20P	US4						15A	300 cm				300
									20A	12 feet				366
										400 cm				400
			500 cm	500										
			1000 cm	1000										
IL19	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

## Headquarters, Global Innovation and Development

### Switzerland

#### Schaffner Group

Industrie Nord  
Nordstrasse 11e  
4542  
Luterbach  
+41 32 681 66 26  
[info@schaffner.com](mailto:info@schaffner.com)

## Sales and Application Centers

### China

#### Schaffner EMC Ltd. Shanghai

T20-3 C No 565 Chuangye Road Pudong  
district  
201201  
Shanghai  
+86 2138139500  
[cschina@schaffner.com](mailto:cschina@schaffner.com)

### Finland

#### Schaffner Oy

Sauvonrinne 19 H  
8500  
Lohja  
+358 50 468 7284  
[finlandsales@schaffner.com](mailto:finlandsales@schaffner.com)

### France

#### Schaffner EMC S.A.S.

16-20 Rue Louis Rameau  
95875  
Bezons  
+33 1 34 34 30 60  
[francesales@schaffner.com](mailto:francesales@schaffner.com)

### Germany

#### Schaffner Deutschland GmbH

Schoemperlenstrasse 12B  
76185  
Karlsruhe  
+49 721 56910  
[germanysales@schaffner.com](mailto:germanysales@schaffner.com)

### India

#### Schaffner India Pvt. Ltd

Regus World Trade Centre  
WTC 22nd Floor Unit No 2238 Brigade  
Gateway Campus 26/1 Dr. Rajkumar Road  
Malleshwaram (W)  
560055  
Bangalore  
+91 8067935355  
[indiasales@schaffner.com](mailto:indiasales@schaffner.com)

### Italy

#### Schaffner EMC S.r.l.

Via Ticino, 30  
20900  
Monza (MB)  
+39 039 21 41 070  
[italysales@schaffner.com](mailto:italysales@schaffner.com)

### Japan

#### Schaffner EMC K.K.

ISM Sangenjaya 7F  
1-32-12 Kamiyama Setagaya-ku  
154-0011  
Tokyo  
+81 3 5712 3650  
[japansales@schaffner.com](mailto:japansales@schaffner.com)

### Singapore

#### Schaffner EMC Pte Ltd.

Blk 3015A Ubi Road 1 #05-09 Kampong Ubi  
Industrial Estate  
408705  
Singapore  
+65 63773283  
[singaporesales@schaffner.com](mailto:singaporesales@schaffner.com)

### Spain

#### Schaffner EMC España

Calle Caléndula 93 Miniparc III Edificio E El  
Soto de Moraleja Alcobendas  
28109  
Madrid  
+34 917 912 900  
[spainsales@schaffner.com](mailto:spainsales@schaffner.com)

### Sweden

#### Schaffner EMC AB

Östermalmstrorg 1  
114 42  
Stockholm  
+46 8 5050 2425  
[swedensales@schaffner.com](mailto:swedensales@schaffner.com)

### Switzerland

#### Schaffner EMV AG

Industrie Nord  
Nordstrasse 11e  
4542  
Luterbach  
+41 32 681 66 26  
[switzerlandsales@schaffner.com](mailto:switzerlandsales@schaffner.com)

### Taiwan

#### Schaffner EMV Ltd.

U-Town  
20 Floor-2 No 97 Section 1 XinTai 5th Road  
XiZhi District  
22175  
New Taipei City  
+886 226975500  
[taiwansales@schaffner.com](mailto:taiwansales@schaffner.com)

### Thailand

#### Schaffner EMC Co. Ltd.

Sathorn Square Tower  
Room 3780 37FL 98 North-Sathorn Rd Silom  
Bangrak  
10500  
Bangkok  
+66 621056397  
[thailandsales@schaffner.com](mailto:thailandsales@schaffner.com)

### United Kingdom

#### Schaffner Ltd.

Suite 1 Oakmede Place  
Terrace Road  
RG42 4JF  
Binfield  
+44 118 9770070  
[uksales@schaffner.com](mailto:uksales@schaffner.com)

### United States

#### Schaffner EMC Inc.

52 Mayfield Avenue  
Edison, New Jersey  
+1 732 225 9533  
[usasales@schaffner.com](mailto:usasales@schaffner.com)

To find your local partner within  
Schaffner's global network [schaffner.com](http://schaffner.com)

© 2022 Schaffner Group

The content of this document has been  
carefully checked and understood.  
However, neither Schaffner nor its  
subsidiaries assume any liability  
whatsoever for any errors or inaccuracies  
of this document and the consequences  
thereof. Published specifications are  
subject to change without notice. Product  
suitability for any area of application must  
ultimately be determined by the  
customer. In all cases, products must  
never be operated outside their published  
specifications. Schaffner does not  
guarantee the availability of all published  
products. This disclaimer shall be  
governed by substantive Swiss law and  
resulting disputes shall be settled by the  
courts at the place of business of Schaffner  
Holding AG. Latest publications and a  
complete disclaimer can be downloaded  
from the Schaffner website. All trademarks  
recognized.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [AC Power Leads](#) category:*

*Click to view products by [Schaffner](#) manufacturer:*

Other Similar products are found below :

[YP-61+YC12](#) [YP21A+YC13](#) [6601](#) [FTP-629Y603](#) [1700001947](#) [IL13-EU1-H05-3100-300-S](#) [2217913-1](#) [P28976-M45](#) [BB-3271V86](#) [P29844-M5](#) [P29844-M10](#) [P28818-M6](#) [387005324](#) [387005325](#) [59903000000](#) [387007040](#) [IL13P-EU1-H05-3100-300](#) [PCAK2](#) [EM9169](#) [32004](#) [32002](#) [W-98979](#) [W-98980](#) [W-98983](#) [W-98987](#) [W-99183](#) [AM TO TYPE-C-0.3M](#) [HC-3C1.5MM-Z-P](#) [HC-CE1.2MM-W-K](#) [AK-RD-07A](#) [LPS275](#) [18049236](#) [LA0055](#) [HC-3C1.5MM-W-P](#) [NUFPWC-03PMMS-LC500](#) [NUF-MSAP-08BMMM-RJ](#) [BEST 053](#) [W-99469](#) [W2243](#) [W-99945](#) [W-99764](#) [W-98642](#) [W-98643](#) [W-99440](#) [W-97783](#) [W-99175](#) [W-97760](#) [W-99243](#) [M02411](#) [W-98692](#)