

installation must conform to the instructions in the filter package for all cable screen connections.

Maximum Cable Length for EN 61800-3 First Environment, Restricted Distribution (CISPR11 Class A) Compliance (Radiated and Conducted Emissions)					
Drive Type		Switching Frequency (Parameter 2606)			
		1 or 4 kHz (2606 = 1 or 4)		8 kHz (2606 = 8)	
		Max. Length / Internal Filter	Max. Length / RFI/EMC Filter	Max. Length / Internal Filter	Max. Length / RFI/EMC Filter
ACH550-xx-03A3-4	R1	100 m (330 ft) / Internal	Note 1	100 m (330 ft) / Internal	Note 1
ACH550-xx-04A1-4					
ACH550-xx-06A9-4					
ACH550-xx-08A8-4					
ACH550-xx-012A-4					
ACH550-xx-015A-4	R2	30 m (100 ft) / Internal	100 m (330 ft) / ACS400-IF21-3	30 m (100 ft) / Internal	100 m (330 ft) / ACS400-IF21-3
ACH550-xx-023A-4					
ACH550-xx-031A-4	R3	30 m (100 ft) / Internal	100 m (330 ft) / ACS400-IF31-3	30 m (100 ft) / Internal	100 m (330 ft) / ACS400-IF31-3
ACH550-xx-038A-4					
ACH550-xx-045A-4					
ACH550-xx-044A-4	R4	30 m (100 ft) / Internal	100 m (330 ft) / ACS400-IF41-3	30 m (100 ft) / Internal	100 m (330 ft) / ACS400-IF41-3
ACH550-xx-059A-4					
ACH550-xx-072A-4			Note 2		Note 2
ACH550-xx-078A-4					
ACH550-xx-097A-4					
ACH550-xx-077A-4	R5	100 m (330 ft) / Internal	Note 1	100 m (330 ft) / Internal	Note 1
ACH550-xx-096A-4					
ACH550-xx-125A-4				R6	100 m (330 ft) / Internal
ACH550-xx-124A-4					
ACH550-xx-157A-4					
ACH550-xx-180A-4					
ACH550-xx-246A-4	R7	100 m (330 ft) / Internal	Note 1	—	Does Not Apply
ACH550-xx-245A-4					
ACH550-xx-316A-4					
ACH550-xx-368A-4					
ACH550-xx-414A-4					
ACH550-xx-486A-4					
ACH550-xx-526A-4					
ACH550-xx-602A-4					
ACH550-xx-645A-4					

1. For any motor cable length (up to the 100 m [328 ft] maximum length limit) compliance does not require an additional filter.
2. Data not available at time of publication.



WARNING! Do not use RFI/EMC filters in a floating, or impedance grounded network.

- For EN 61800-3 First Environment, Unrestricted Distribution, (CISPR11 Class B) compliance with conducted emission limits, all drives require an additional, external RFI/EMC filter, and cable lengths are limited as specified in the table below. The RFI/EMC filters are separate options and installation must conform to the instructions in the filter package for all cable screen connections.

Note: The filter does not assure compliance with radiated emissions limits.

Maximum Cable Length for EN 61800-3 CE First Environment, Unrestricted Distribution (CISPR11 Class B) Compliance (Conducted Emissions Only)			
Drive Type		Switching Frequency (Parameter 2606)	
		1 or 4 kHz (2606 = 1 or 4)	8 kHz (2606 = 8)
		Max. Length / RFI/EMC Filter	Max. Length / RFI/EMC Filter
ACH550-xx-03A3-4	R1	10 m (33 ft) / ACS400-IF11-3	10 m (33 ft) / ACS400-IF11-3
ACH550-xx-04A1-4			
ACH550-xx-06A9-4			
ACH550-xx-08A8-4			
ACH550-xx-012A-4			
ACH550-xx-015A-4	R2	10 m (33 ft) / ACS400-IF21-3	10 m (33 ft) / ACS400-IF21-3
ACH550-xx-023A-4			
ACH550-xx-031A-4	R3	10 m (33 ft) / ACS400-IF31-3	10 m (33 ft) / ACS400-IF31-3
ACH550-xx-038A-4			
ACH550-xx-045A-4			
ACH550-xx-044A-4	R4	10 m (33 ft) / ACS400-IF41-3	10 m (33 ft) / ACS400-IF41-3
ACH550-xx-059A-4			
ACH550-xx-072A-4			
ACH550-xx-078A-4			
ACH550-xx-097A-4			



WARNING! Do not use RFI/EMC filters in a floating, or impedance grounded network.