

Description

Immunity test for coupling conducted, common mode disturbances in a frequency range from 0 Hz to 150 kHz onto cables of EUT is described in IEC/EN 61000-4-16. It requires a CN (coupling network) depending on the type of line. Following CNs are available: AF-, M- and T-type. The test setup requires a separate decoupling of the AE (additional equipment) which shall be done by means of isolation transformers, fibre optical transmitters etc. An overview that helps to select the appropriate CN is given as follows:

Technical specifications	AF2-16	AF4-16	AF8-16
	for unscreened, non-balanced lines		
Frequency range	DC/15 Hz - 150 kHz		
Test level	50 V cont.		
Number of lines	2	4	8
Max. current	0.5 A		
Max. voltage	40 VAC / 50 VDC		



(N M-type)

Technical specifications	M2-16	M3-16	M4-16	M5-16	M2/DC-16	M3/DC-16
	for power supply lines					
Frequency range	15 Hz - 150 kHz				DC	
Test level	50 V cont., 300 V (1s) at energetically used frequencies				50 V cont.	
Number of lines	2	3	4	5	2	3
Max. current	32 A					
Max. voltage	250 VAC / 200 VDC				50 V	

Technical specifications	T2-16
	for unscreened, balanced lines
Frequency range	DC/15 Hz - 150 kHz
Test level	50 V cont.
Number of lines	2
Max. current	0.5 A
Max. voltage	150 VAC / 200 VDC



CN T-type