

Tested by: _____

Da 2022-05-16

CABLE SECURENESS TEST

Section 33

METHOD A

Three previously untested samples of connector Cat. No. WOER-T1-C-AC40-01, WOER-T1-C-AC48-01 and WOER-T1-C-AC80-01 were wired without conductors terminated. Three were wired with the (flexible cable) they were designed to accommodate. They were then subjected to the pull of 150 lb/in² times the cross-sectional area of the cord (rounded up to the nearest five lb increment), but not less than 35 lbs.

The device is to be assembled as intended onto a 305-mm (12-inch), or longer, length of flexible cord or cable placed in the device with its conductors positioned as if the conductors were to be connected to the terminals. Screws, nuts, or other hardware are to be tightened according to the manufacturer's instructions. The flexible cord or cable is to be cut at a right angle to its major axis but not stripped.

The force is to be applied at a point 150 mm from the cord entry at a direction tending to pull the cord from the device for a period of 1 minute.

~~Cross-sectional area of the cord: _____ [in²]~~

~~Pull weight = area*150lb/in²: _____ [lb]~~

Cat. No.	Cable Diameter (mm)	Cable Diameter (in)	Cable cross-section (in ²)	Calculated pull force (lb)	Tested Pull force (lb)
<u>WOER-T1-C-AC40-01</u>	16.9	0.665	0.348	52.154	55
<u>WOER-T1-C-AC48-01</u>	21.2	0.835	0.547	82.070	85
<u>WOER-T1-C-AC80-01</u>	24.4	0.961	0.725	108.716	110

METHOD B

The same three samples were then subjected to the twisting torque of WOER-T1-C-AC40-01 = 1.4 N*m, WOER-T1-C-AC80-01 = 2.7 N*m. The torque is to be applied at a point 6 inches from the cord entry in a direction least favorable to the terminal construction for a period of one minute.