



Date: July 13, 2026

Subject: Change to USCAR-2, Rev 9 (Revision Letter #4)

This letter describes a change to the USCAR-2 specification. Comments and questions can be sent to EWCAP@uscar.org.

Situation:

The table for insertion force for terminals (Table 5.4.1.4A) does not include requirements for HFM components (i.e., mini coax, traditional coax, and twisted pair). However, the table for terminal-connector retention force (Table 5.4.1.4B) does include values for these items.

Resolution:

Update Table 5.4.1.4A – Insertion force for terminals to include values for HFM components. Adding new rows for mini coax, traditional coax, and twisted pair.

Table 5.4.1.4A - Insertion force for terminals

Terminal Size (mm)	Terminal Insertion (N)	Forward stop (N)
≤ 0.5	≤ 15	≥ 35
≤ 1.2	≤ 15	≥ 50
$1.2 < \text{Term.} \leq 2.8$	≤ 20	
$2.8 < \text{Term.} \leq 9.5$	≤ 30	
$9.5 < \text{Term.} \leq 14.5$	≤ 75	≥ 150
Mini coax ⁽⁷⁾	≤ 30	≥ 50
Traditional coax ⁽⁷⁾	≤ 30	≥ 50
Twisted pair ⁽⁸⁾	≤ 30	≥ 50

NOTES:

(7) Mini coax has outer diameter < 3.6 mm. Traditional coax is ≥ 3.6 mm.

(8) Jacketed twisted pair (JTP) is used for “single pair ethernet.” Full test requirements for JTP has not been written yet.