

TECHNICAL BULLETIN

SC1 & SC2 Splice Coupler

July 2024

CABLE SEATING DEPTH

An issue that may arise with inexperienced or inattentive technicians during the installation of the SC1/SC2 Splice Coupler is the failure to fully seat the cable within the wedges. A common mistake is that the installer pushes the cable partially into the wedges, this can give the false impression that the cable is fully seated because the cable “feels tight” when hand pressure is applied. However, the cable will slip from the wedges during tensioning of the tendon.

Minimum Cable Installation Depth

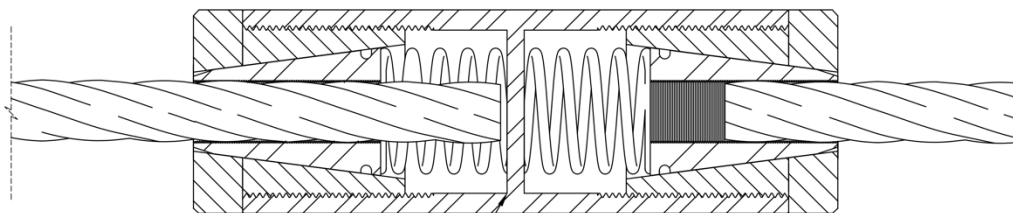
One of the SC1/SC2 Splice Coupler design features is that it is machined with two individual wedge chambers on each side of the splice that are separated by a solid steel internal baffle. That means it’s physically impossible for the technician to over-penetrate the cable into the opposite side wedges and cause them to become displaced. Therefore, it is recommended that the cable be installed a minimum depth of 2.25” as measured from the face of the splice end cap.

CORRECT

CABLE IS FULLY INSTALLED, WHICH ALLOWS THE WEDGES TO FULLY ENGAGE. MINIMUM ENGAGEMENT LENGTH IS 2-1/4" FROM SPLICE FACE TO CABLE TIP.

INCORRECT

CABLE IS ONLY PARTIALLY INSTALLED IN THE WEDGES. WILL FEEL HAND TIGHT, BUT SLIPS DURING TENSIONING.



INTERNAL MACHINED BAFFEL PREVENTS OVER-PENETRATION OF CABLE.

For additional Technical Support

Please email us at info@PT-Prod.com with any additional questions.