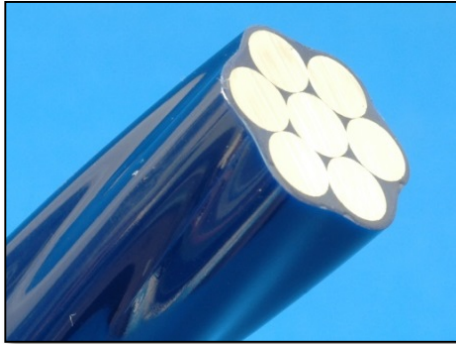


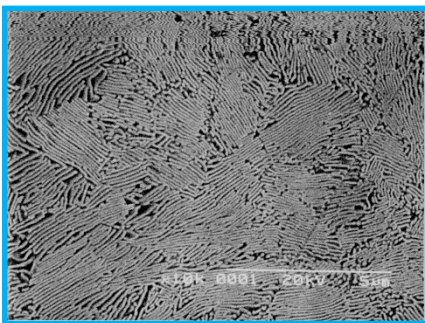
# Ultra-High Tensile Strand (UHS)



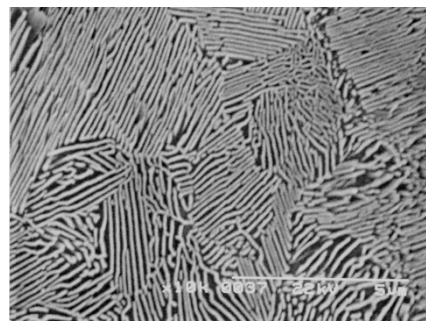
\*UHS strand needs epoxy coating for employment.

Ultra-High Tensile Strength (UHS) Strand has approximately 20% higher strength than that of conventional PC strand. It can achieve shortening construction period and saving construction materials to bring in reduction saving not only cost but environmental loading. Projects applied UHS strand is gradually increasing reflecting current needs of the industry.

## ■ Metallic structure



▲ UHS strand



▲ Conventional strand

## Comparing Mechanical Properties with Reference Standard

| Standard                               | Ultra-High Tensile Strength Strand | JIS G3536 | ASTM A416/416M |        | BS5896   |       |
|--|------------------------------------|-----------|----------------|--------|----------|-------|
|  |                                    | SWPR7BL   | 250            | 270    | Standard | Super |
| Diameter [mm]                          | 15.7                               | 15.2      | 15.2           | 15.24  | 15.2     | 15.7  |
| Breaking load [kN]                     | ≥335                               | ≥261      | ≥240.2         | ≥260.7 | ≥232     | ≥265  |
| Load at 0.1% permanent elongation [kN] | ≥298                               | -         | -              | -      | ≥197     | ≥255  |
| Load at 0.2% permanent elongation [kN] | ≥285                               | ≥222      | -              | -      | -        | -     |

### Sales Department

#### Special Steel Wire Division

ADDRESS: 1-1-1, Koya-Kita, Itami, Hyogo 664-0016 Japan

TEL: +81-72-771-0966

FAX: +81-72-771-0502

E-MAIL: [pc-int@info.sei.co.jp](mailto:pc-int@info.sei.co.jp)

URL: <http://www.sei-ssw.co.jp/>