$$
\begin{aligned}
\Psi_{18} &= C_1 \left(i \left|0002\right\rangle - \left|0020\right\rangle - i \left|0200\right\rangle + \left|2000\right\rangle \right) \\
&\quad + C_2 \left(\left|00du\right\rangle - \left|00ud\right\rangle + i \left|0du0\right\rangle - i \left|0ud0\right\rangle - i \left|d00u\right\rangle - \left|du00\right\rangle + i \left|u00d\right\rangle + \left|ud00\right\rangle \right)
\end{aligned}
$$

$$
C_1 = \frac{\left(-\left(\frac{1}{4}\right) + \frac{i}{4} \right) \left(-U + \sqrt{16\,t^2 + U^2} \right)}{t \sqrt{\frac{16\,t^2 + U^2 - U\sqrt{16\,t^2 + U^2}}{t^2}}}
$$

$$
C_2 = \frac{1}{\sqrt{\frac{16\,t^2 + U^2 - U\sqrt{16\,t^2 + U^2}}{t^2}}}
$$