Longest local name that can be used in a C++ program

Quote from **6.3.3**:

C++ imposes no limit on the number of characters in a name.

Restrictions on characters in names

1. A name is *valid* if it **starts with** a character ($\in ASCII$}
   or an underscore (_).

2. A name is *invalid* if one of the following statements apply:

   (a) It starts with a *number* ($\in [0..9]$). $\Rightarrow$ `12name` not allowed.

   (b) It contains *whitespace(s)*. $\Rightarrow$ `my name` not allowed.

   (c) It contains the *dot* character. $\Rightarrow$ `my.name` not allowed.

   (d) It is equivalent with a C++ *keyword*. $\Rightarrow$ `void` not allowed.

   (e) It contains *special character(s)*. $\Rightarrow$ `čomplemented` not allowed.