

**NAME**

iswcntrl - test for control wide character

**SYNOPSIS**

```
#include <wctype.h>

int iswcntrl(wint_t wc);
```

**DESCRIPTION**

The **iswcntrl()** function is the wide-character equivalent of the [iscntrl\(3\)](#) function. It tests whether *wc* is a wide character belonging to the wide-character class `cntrl`.

The wide-character class `cntrl` is disjoint from the wide-character class `print` and therefore also disjoint from its subclasses `graph`, `alpha`, `upper`, `lower`, `digit`, `xdigit`, `punct`.

For an unsigned char *c*, *iscntrl(c)* implies *iswcntrl(btowc(c))*, but not vice versa.

**RETURN VALUE**

The **iswcntrl()** function returns nonzero if *wc* is a wide character belonging to the wide-character class `cntrl`. Otherwise, it returns zero.

**ATTRIBUTES****Multithreading (see [pthreads\(7\)](#))**

The **iswcntrl()** function is thread-safe with exceptions. It can be safely used in multithreaded applications, as long as [setlocale\(3\)](#) is not called to change the locale during its execution.

**CONFORMING TO**

C99.

**NOTES**

The behavior of **iswcntrl()** depends on the `LC_CTYPE` category of the current locale.

**SEE ALSO**

[iscntrl\(3\)](#), [iswctype\(3\)](#)

**COLOPHON**

This page is part of release 3.74 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <http://www.kernel.org/doc/man-pages/>.