



Linux Ubuntu 26.04 Manual Pages on command 'strsignal.3'

\$ man strsignal.3

strsignal(3) Library Functions Manual strsignal(3)

NAME

strsignal, sigabbrev_np, sigdescr_np, sys_siglist - return string describing signal

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <string.h>

char *strsignal(int sig);

const char *sigdescr_np(int sig);

const char *sigabbrev_np(int sig);

[[deprecated]] extern const char *const sys_siglist[];
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

sigabbrev_np(), sigdescr_np():

 _GNU_SOURCE

strsignal():

 From glibc 2.10 to glibc 2.31:

 _POSIX_C_SOURCE >= 200809L

 Before glibc 2.10:

 _GNU_SOURCE

sys_siglist:

 Since glibc 2.19:

 _DEFAULT_SOURCE

 glibc 2.19 and earlier:

DESCRIPTION

The `strsignal()` function returns a string describing the signal number passed in the argument `sig`. The string can be used only until the next call to `strsignal()`. The string returned by `strsignal()` is localized according to the `LC_MESSAGES` category in the current locale.

The `sigdescr_np()` function returns a string describing the signal number passed in the argument `sig`. Unlike `strsignal()` this string is not influenced by the current locale.

The `sigabbrev_np()` function returns the abbreviated name of the signal, `sig`. For example, given the value `SIGINT`, it returns the string `"INT"`.

The (deprecated) array `sys_siglist` holds the signal description strings indexed by signal number. The `strsignal()` or the `sigdescr_np()` function should be used instead of this array; see also `VERSIONS`.

RETURN VALUE

The `strsignal()` function returns the appropriate description string, or an unknown signal message if the signal number is invalid. On some systems (but not on Linux), `NULL` may instead be returned for an invalid signal number.

The `sigdescr_np()` and `sigabbrev_np()` functions return the appropriate description string.

The returned string is statically allocated and valid for the lifetime of the program.

These functions return `NULL` for an invalid signal number.

ATTRIBUTES

For an explanation of the terms used in this section, see `attributes(7)`.

??			
? Interface	? Attribute	? Value	?
??			
? <code>strsignal()</code>	? Thread safety	? MT-Unsafe race: <code>strsignal</code> locale	?
??			
? <code>sigdescr_np()</code> ,	? Thread safety	? MT-Safe	?
? <code>sigabbrev_np()</code>	?		?
??			

STANDARDS

`strsignal()`
POSIX.1-2008.

sigdescr_np()

sigabbrev_np()

GNU.

sys_siglist

None.

HISTORY

strsignal()

POSIX.1-2008. Solaris, BSD.

sigdescr_np()

sigabbrev_np()

glibc 2.32.

sys_siglist

Removed in glibc 2.32.

NOTES

sigdescr_np() and sigabbrev_np() are thread-safe and async-signal-safe.

SEE ALSO

psignal(3), strerror(3)

Linux man-pages 6.17

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