

**NAME**

wmemcpy – copy an array of wide-characters

**LIBRARY**

Standard C library (*libc*, *-lc*)

**SYNOPSIS**

```
#include <wchar.h>
```

```
wchar_t *wmemcpy(wchar_t dest[restrict],  
                 const wchar_t src[restrict],  
                 size_t n);
```

**DESCRIPTION**

The **wmemcpy()** function is the wide-character equivalent of the **memcpy(3)** function. It copies *n* wide characters from the array starting at *src* to the array starting at *dest*.

The arrays may not overlap; use **wmemmove(3)** to copy between overlapping arrays.

The programmer must ensure that there is room for at least *n* wide characters at *dest*.

**RETURN VALUE**

**wmemcpy()** returns *dest*.

**ATTRIBUTES**

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

Interface	Attribute	Value
<b>wmemcpy()</b>	Thread safety	MT-Safe

**STANDARDS**

POSIX.1-2001, POSIX.1-2008, C99.

**SEE ALSO**

**memcpy(3)**, **wscpy(3)**, **wmemmove(3)**, **wmempcpy(3)**