

DIGIT ZERO uni0030	0	0
DIGIT ONE uni0031	1	1
DIGIT TWO uni0032	2	2
DIGIT THREE uni0033	3	3
DIGIT FOUR uni0034	4	4
DIGIT FIVE uni0035	5	5
DIGIT SIX uni0036	6	6
DIGIT SEVEN uni0037	7	7
DIGIT EIGHT uni0038	8	8
DIGIT NINE uni0039	9	9
COLON uni003A	:	•
SEMICOLON uni003B	,	•
LESS-THAN SIGN uni003C	<	<
EQUALS SIGN uni003D	=	=
GREATER-THAN SIGN uni003E	>	>
QUESTION MARK uni003F	?	?
COMMERCIAL AT uni0040	(a)	@
LATIN CAPITAL LETTER A uni0041	А	A
LATIN CAPITAL LETTER B uni0042	В	B
LATIN CAPITAL LETTER C uni0043	С	C
LATIN CAPITAL LETTER D uni0044	D	D
LATIN CAPITAL LETTER E uni0045	Е	E
LATIN CAPITAL LETTER F uni0046	F	F
LATIN CAPITAL LETTER G uni0047	G	G
LATIN CAPITAL LETTER H uni0048	Н	H
LATIN CAPITAL LETTER I uni0049		
LATIN CAPITAL LETTER J uni004A	J	J

LATIN CAPITAL LETTER K uni004B	KK
LATIN CAPITAL LETTER L uni004C	L
LATIN CAPITAL LETTER M uni004D	M
LATIN CAPITAL LETTER N uni004E	NN
LATIN CAPITAL LETTER O uni004F	0
LATIN CAPITAL LETTER P uni0050	PP
LATIN CAPITAL LETTER Q uni0051	QQ
LATIN CAPITAL LETTER R uni0052	RR
LATIN CAPITAL LETTER S uni0053	S S
LATIN CAPITAL LETTER T uni0054	T
LATIN CAPITAL LETTER U uni0055	U
LATIN CAPITAL LETTER V uni0056	VV
LATIN CAPITAL LETTER W uni0057	W
LATIN CAPITAL LETTER X uni0058	XX
LATIN CAPITAL LETTER Y uni0059	Y
LATIN CAPITAL LETTER Z uni005A	ZZ
LEFT SQUARE BRACKET uni005B	[[
REVERSE SOLIDUS uni005C	\ \
RIGHT SQUARE BRACKET uni005D]
CIRCUMFLEX ACCENT uni005E	^ ^
LOW LINE uni005F	
GRAVE ACCENT uni0060	•
LATIN SMALL LETTER A uni0061	a a
LATIN SMALL LETTER B uni0062	b
LATIN SMALL LETTER C uni0063	CC
LATIN SMALL LETTER D uni0064	d d
LATIN SMALL LETTER E uni0065	e e
LATIN SMALL LETTER F uni0066	f f

LATIN SMALL LETTER G uni0067	g	g
LATIN SMALL LETTER H uni0068	h	h
LATIN SMALL LETTER I uni0069	i	i
LATIN SMALL LETTER J uni006A	j	j
LATIN SMALL LETTER K uni006B	k	k
LATIN SMALL LETTER L uni006C	-	
LATIN SMALL LETTER M uni006D	m	m
LATIN SMALL LETTER N uni006E	n	n
LATIN SMALL LETTER O uni006F	0	0
LATIN SMALL LETTER P uni0070	р	p
LATIN SMALL LETTER Q uni0071	q	q
LATIN SMALL LETTER R uni0072	r	r
LATIN SMALL LETTER S uni0073	S	S
LATIN SMALL LETTER T uni0074	t	t
LATIN SMALL LETTER U uni0075	U	u
LATIN SMALL LETTER V uni0076	V	V
LATIN SMALL LETTER W uni0077	W	w
LATIN SMALL LETTER X uni0078	Χ	x
LATIN SMALL LETTER Y uni0079	У	y
LATIN SMALL LETTER Z uni007A	Z	Z
LEFT CURLY BRACKET uni007B	{	{
VERTICAL LINE uni007C		
RIGHT CURLY BRACKET uni007D	}	}
TILDE uni007E	~	~
NO-BREAK SPACE uni00A0		
INVERTED EXCLAMATION MARK uni00A1	i	i
CENT SIGN uni00A2	¢	¢

POUND SIGN

uni00A3	£	£
CURRENCY SIGN uni00A4	¤	¤
YEN SIGN uni00A5	¥	¥
BROKEN BAR uni00A6	I	1
SECTION SIGN uni00A7	§	5
DIAERESIS uni00A8		••
COPYRIGHT SIGN uni00A9	©	©
FEMININE ORDINAL INDICATOR uni00AA	<u>a</u>	a
LEFT-POINTING DOUBLE ANGLE QUOTATION MARK uni00AB	<<	«
NOT SIGN uni00AC	\neg	7
SOFT HYPHEN uni00AD		
REGISTERED SIGN uni00AE	R	R
MACRON uni00AF	-	-
DEGREE SIGN uni00B0	0	•
PLUS-MINUS SIGN uni00B1	±	±
SUPERSCRIPT TWO uni00B2	2	2
SUPERSCRIPT THREE uni00B3	3	3
ACUTE ACCENT uni00B4	/	•
MICRO SIGN uni00B5	μ	μ
PILCROW SIGN uni00B6	1	7
MIDDLE DOT uni00B7		•
CEDILLA uni00B8	٦	,
SUPERSCRIPT ONE uni00B9	1	1
MASCULINE ORDINAL INDICATOR uni00BA	<u>O</u>	0
RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK uni00BB	>>	>>
VULGAR FRACTION ONE QUARTER uni00BC	1/4	1/4
VULGAR FRACTION ONE HALF uni00BD	1/2	1/2

VULGAR FRACTION THREE QUARTERS	3/4	3/4
uni00BE		
INVERTED QUESTION MARK uni00BF	غ	ઢ
LATIN CAPITAL LETTER A WITH GRAVE uni00C0	À	À
LATIN CAPITAL LETTER A WITH ACUTE uni00C1	Á	Á
LATIN CAPITAL LETTER A WITH CIRCUMFLEX uni00C2	Â	Â
LATIN CAPITAL LETTER A WITH TILDE uni00C3	Ã	Ã
LATIN CAPITAL LETTER A WITH DIAERESIS uni00C4	Ä	Ä
LATIN CAPITAL LETTER A WITH RING ABOVE uni00C5	Å	Å
LATIN CAPITAL LETTER AE uni00C6	Æ	Æ
LATIN CAPITAL LETTER C WITH CEDILLA uni00C7	Ç	Ç
LATIN CAPITAL LETTER E WITH GRAVE uni00C8	È	È
LATIN CAPITAL LETTER E WITH ACUTE uni00C9	É	É
LATIN CAPITAL LETTER E WITH CIRCUMFLEX uni00CA	Ê	Ê
LATIN CAPITAL LETTER E WITH DIAERESIS uni00CB	Ë	Ë
LATIN CAPITAL LETTER I WITH GRAVE uni00CC	Ì	Ì
LATIN CAPITAL LETTER I WITH ACUTE uni00CD	ĺ	Í
LATIN CAPITAL LETTER I WITH CIRCUMFLEX uni00CE	Î	Î
LATIN CAPITAL LETTER I WITH DIAERESIS uni00CF		Ï
LATIN CAPITAL LETTER ETH uni00D0	Đ	Ð
LATIN CAPITAL LETTER N WITH TILDE uni00D1	N	Ñ
LATIN CAPITAL LETTER O WITH GRAVE uni00D2	0	Ò
LATIN CAPITAL LETTER O WITH ACUTE uni00D3	Ô	0
LATIN CAPITAL LETTER O WITH CIRCUMFLEX uni00D4	O ~	Ô
LATIN CAPITAL LETTER O WITH TILDE uni00D5	0	Õ
LATIN CAPITAL LETTER O WITH DIAERESIS uni00D6	0	Ö
MULTIPLICATION SIGN uni00D7	×	X
LATIN CAPITAL LETTER O WITH STROKE uni00D8	Ø	Ø

LATIN CAPITAL LETTER U WITH GRAVE

uni00D9	Ù	Ù
LATIN CAPITAL LETTER U WITH ACUTE uni00DA	Ú	Ú
LATIN CAPITAL LETTER U WITH CIRCUMFLEX uni00DB	Û	Û
LATIN CAPITAL LETTER U WITH DIAERESIS uni00DC	Ü	Ü
LATIN CAPITAL LETTER Y WITH ACUTE uni00DD	Ý	Ý
LATIN CAPITAL LETTER THORN uni00DE	Þ	Þ
LATIN SMALL LETTER SHARP S uni00DF	ß	ß
LATIN SMALL LETTER A WITH GRAVE uni00E0	à	à
LATIN SMALL LETTER A WITH ACUTE uni00E1	á	á
LATIN SMALL LETTER A WITH CIRCUMFLEX uni00E2	â	â
LATIN SMALL LETTER A WITH TILDE uni00E3	ã	ã
LATIN SMALL LETTER A WITH DIAERESIS uni00E4	ä	ä
LATIN SMALL LETTER A WITH RING ABOVE uni00E5	å	å
LATIN SMALL LETTER AE uni00E6	æ	æ
LATIN SMALL LETTER C WITH CEDILLA uni00E7	Ç	Ç
LATIN SMALL LETTER E WITH GRAVE uni00E8	è	è
LATIN SMALL LETTER E WITH ACUTE uni00E9	é	é
LATIN SMALL LETTER E WITH CIRCUMFLEX uni00EA	ê	ê
LATIN SMALL LETTER E WITH DIAERESIS uni00EB	ë	ë
LATIN SMALL LETTER I WITH GRAVE uni00EC	Ì	ì
LATIN SMALL LETTER I WITH ACUTE uni00ED	ĺ	í
LATIN SMALL LETTER I WITH CIRCUMFLEX uni00EE	Î	î
LATIN SMALL LETTER I WITH DIAERESIS uni00EF	I	ï
LATIN SMALL LETTER ETH uni00F0	ð	9
LATIN SMALL LETTER N WITH TILDE uni00F1	ñ	ñ
LATIN SMALL LETTER O WITH GRAVE uni00F2	Ò	Ò
LATIN SMALL LETTER O WITH ACUTE uni00F3	Ó	Ó
LATIN SMALL LETTER O WITH CIRCUMFLEX uni00F4	Ô	ô

LATIN SMALL LETTER O WITH TILDE uni00F5	õ	õ
	Ö	ö
LATIN SMALL LETTER O WITH DIAERESIS uni00F6		
DIVISION SIGN uni00F7	÷	÷
LATIN SMALL LETTER O WITH STROKE uni00F8	Ø	ø
LATIN SMALL LETTER U WITH GRAVE uni00F9	ù	ù
LATIN SMALL LETTER U WITH ACUTE uni00FA	Ú	ú
LATIN SMALL LETTER U WITH CIRCUMFLEX uni00FB	û	û
LATIN SMALL LETTER U WITH DIAERESIS uni00FC	ü	ü
LATIN SMALL LETTER Y WITH ACUTE uni00FD	ý	ý
LATIN SMALL LETTER THORN uni00FE	þ	þ
LATIN SMALL LETTER Y WITH DIAERESIS uni00FF	ÿ	ÿ
LATIN SMALL LETTER H WITH STROKE uni0127	ħ	ħ
LATIN CAPITAL LETTER I WITH TILDE uni0128	Ĩ	Ĩ
LATIN SMALL LETTER I WITH TILDE uni0129	~	ĩ
LATIN SMALL LETTER DOTLESS I uni0131	I	•
LATIN CAPITAL LIGATURE IJ uni0132	IJ	IJ
LATIN SMALL LIGATURE IJ uni0133	ij	ij
LATIN CAPITAL LETTER J WITH CIRCUMFLEX uni0134	Ĵ	Ĵ
LATIN SMALL LETTER J WITH CIRCUMFLEX uni0135	ĵ	ĵ
LATIN SMALL LETTER K WITH CEDILLA uni0137	ķ	ķ
LATIN SMALL LETTER KRA uni0138	K	K
LATIN CAPITAL LETTER L WITH MIDDLE DOT	-[-	
uni013F LATIN SMALL LETTER L WITH MIDDLE DOT	ŀ	1.
uni0140 LATIN CAPITAL LETTER L WITH STROKE	ł	
uni0141 LATIN SMALL LETTER L WITH STROKE	ł	
uni0142 LATIN CAPITAL LETTER N WITH ACUTE	Ń	Ń
uni0143	IV	

LATIN SMALL LETTER N WITH ACUTE uni0144	ń	ń
LATIN CAPITAL LIGATURE OE uni0152	Œ	Œ
LATIN SMALL LIGATURE OE	œ	œ
uni0153	Ŕ	Ŕ
uni0154 LATIN CAPITAL LETTER R WITH CEDILLA	R	
uni0156 LATIN SMALL LETTER R WITH CEDILLA	,	Ŗ
uni0157 LATIN CAPITAL LETTER R WITH CARON	ŗ	ŗ Ř
uni0158	ř	
LATIN SMALL LETTER R WITH CARON uni0159		ř
LATIN CAPITAL LETTER S WITH CARON uni0160	Š	
LATIN SMALL LETTER S WITH CARON uni0161	Š	Š
LATIN CAPITAL LETTER Y WITH DIAERESIS uni0178	Ÿ	Ÿ
LATIN CAPITAL LETTER Z WITH CARON uni017D	Ž	Ž
LATIN SMALL LETTER Z WITH CARON uni017E	ž	ž
LATIN SMALL LETTER F WITH HOOK uni0192	f	f
MODIFIER LETTER CIRCUMFLEX ACCENT uni02C6	^	^
CARON uni02C7	~	~
BREVE uni02D8	U	
DOT ABOVE uni02D9	-	•
RING ABOVE uni02DA	0	•
OGONEK uni02DB	د	٤.
SMALL TILDE uni02DC	~	~
DOUBLE ACUTE ACCENT uni02DD	//	""
COMBINING DOT ABOVE uni0307		
GREEK CAPITAL LETTER DELTA uni0394	Δ	Δ
GREEK CAPITAL LETTER OMEGA uni03A9	Ω	Ω
GREEK SMALL LETTER MU uni03BC	μ	μ
GREEK SMALL LETTER PI uni03C0	π	π
EN DASH		

uni2013	_	_
EM DASH uni2014		_
LEFT SINGLE QUOTATION MARK uni2018	1	6
RIGHT SINGLE QUOTATION MARK uni2019	7	9
SINGLE LOW-9 QUOTATION MARK uni201A	,	,
LEFT DOUBLE QUOTATION MARK uni201C	11	66
RIGHT DOUBLE QUOTATION MARK uni201D	11	,,
DOUBLE LOW-9 QUOTATION MARK uni201E	"	,,
DAGGER uni2020	†	+
DOUBLE DAGGER uni2021	‡	#
BULLET uni2022	•	•
HORIZONTAL ELLIPSIS uni2026		•••
PER MILLE SIGN uni2030	%0	‰
SINGLE LEFT-POINTING ANGLE QUOTATION MARK uni2039	<	<
SINGLE RIGHT-POINTING ANGLE QUOTATION MARK uni203A	>	>
FRACTION SLASH uni2044	4	4
SUPERSCRIPT FOUR uni2074		
LIRA SIGN uni20A4 EURO SIGN	£	£
uni20AC SCRIPT SMALL L	l	€ 2
TRADE MARK SIGN	ι. ΤΜ	TM
uni2122 OHM SIGN	Ω	Ω
uni2126 ESTIMATED SYMBOL	e	e
uni212E PARTIAL DIFFERENTIAL	9	a
uni2202 INCREMENT	Λ	Δ
uni2206 N-ARY PRODUCT	П	
uni220F N-ARY SUMMATION	Σ	Σ
uni2211	_	-
MINUS SIGN uni2212		

















