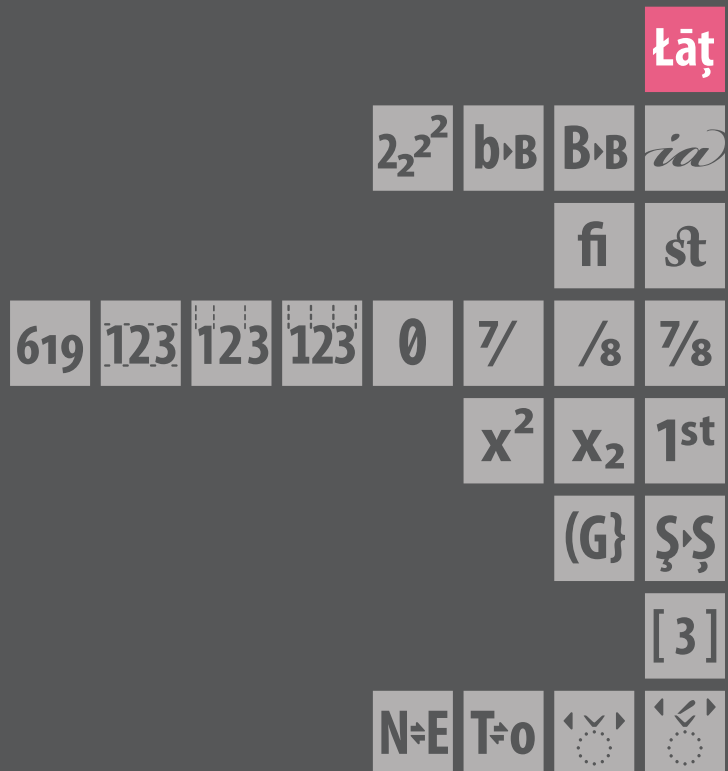


# Fira Sans Cond Hair

## Technical Documentation



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# Encoded Characters

All encoded characters should be accessible with every unicode capable application.

For details about Unicode Blocks visit the [Unicode Website](#).

## Basic Latin

Block from 0000 to 007F

000D	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	002A	002B	002C	002D	002E
		!	"	#	\$	%	&	'	(	)	*	+	,	-	.
002F	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	003A	003B	003C	003D	003E
/	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>
003F	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	004A	004B	004C	004D	004E
?	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N
004F	0050	0051	0052	0053	0054	0055	0056	0057	0058	0059	005A	005B	005C	005D	005E
O	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^
005F	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	006A	006B	006C	006D	006E
_	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n
006F	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	007A	007B	007C	007D	007E
o	p	q	r	s	t	u	v	w	x	y	z	{		}	~

## Latin-1 Supplement

Block from 0080 to 00FF

00A0	00A1	00A2	00A3	00A4	00A5	00A6	00A7	00A8	00A9	00AB	00AC	00AD	00AE	00AF	00B0
	ı	Ç	£	¤	¥	¦	§	¨	©	«	¬	–	®	¯	°
00B1	00B2	00B3	00B4	00B5	00B6	00B7	00B8	00B9	00BB	00BC	00BD	00BE	00BF	00C0	00C1
±	²	³	´	µ	¶	·	¸	¹	»	¼	½	¾	¿	À	Á
00C2	00C3	00C4	00C5	00C6	00C7	00C8	00C9	00CA	00CB	00CC	00CD	00CE	00CF	00D0	00D1
Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï	Ð	Ñ
00D2	00D3	00D4	00D5	00D6	00D7	00D8	00D9	00DA	00DB	00DC	00DD	00DE	00DF	00E0	00E1
Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à	á
00E2	00E3	00E4	00E5	00E6	00E7	00E8	00E9	00EA	00EB	00EC	00ED	00EE	00EF	00F0	00F1
â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï	ð	ñ
00F2	00F3	00F4	00F5	00F6	00F7	00F8	00F9	00FA	00FB	00FC	00FD	00FE	00FF		
ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ		

## Latin Extended-A

Block from 0100 to 017F

0100	0101	0102	0103	0104	0105	0106	0107	010A	010B	010C	010D	010E	010F	0110	0111
Ā	ā	Ă	ă	Ą	ą	Ć	ć	Č	č	Č	č	Ď	d'	Ð	đ
0112	0113	0116	0117	0118	0119	011A	011B	011E	011F	0120	0121	0122	0123	0126	0127
Ē	ē	Ė	ė	Ę	ę	Ě	ě	Ğ	ğ	Ġ	ġ	Ģ	ģ	Ĥ	ĥ
012A	012B	012E	012F	0130	0136	0137	0139	013A	013B	013C	013D	013E	013F	0140	0141
Ī	ī	Ĵ	ĵ	İ	ı	Ķ	ķ	Ĺ	ĺ	Ł	ł	Ł	ł	Ł	ł
0142	0143	0144	0145	0146	0147	0148	0149	014A	014B	014C	014D	0150	0151	0152	0153
Ł	ł	Ń	ń	Ņ	ņ	Ň	ň	Ŋ	ŋ	Ō	ō	Ŏ	ö	Œ	œ
0154	0155	0156	0157	0158	0159	015A	015B	015E	015F	0160	0161	0162	0163	0164	0165
Ŕ	ŕ	Ŗ	ŗ	Ř	ř	Ś	ś	Ŝ	ŝ	Š	š	Ţ	ţ	Ť	ť
0166	0167	016A	016B	016E	016F	0170	0171	0172	0173	0174	0175	0176	0177	0178	0179
Ŧ	ț	Ū	ū	Ŭ	ŭ	Ů	ů	Ų	ų	Ŵ	ŵ	Ŷ	ŷ	Ÿ	Ž
017A	017B	017C	017D	017E											
Ž	ž	Ž	ž	Ž											

## Latin Extended-B

Block from 0180 to 024F

0192	0218	0219	021A	021B
ƒ	Ŧ	ț	Ŧ	ț

## Spacing Modifier Letters

Block from 02B0 to 02FF

02C6	02C7	02D4	02D6	02D7	02D8	02D9	02DA	02DB	02DC	02DD	02DE	02E0	02E4	02E5	02E6
^	˘	±	+	—	˘	˙	˚	˛	˜	˝	˚	˚	˚	˚	˚
02E7	02E8	02E9	02EE												
˚	˚	˚	˝												

## Combining Diacritical Marks

Block from 0300 to 036F

0300	0301	0302	0303	0304	0306	0307	0308	030A	030B	030C	0312	0326	0327	0328
˘	˙	˚	˝	—	˘	˙	˚	˚	˝	˝	˚	˚	˚	˚

## Greek and Coptic

Block from 0370 to 03FF

0374	0375	037E	0387	03F6
/	/	,	.	Θ

## Latin Extended Additional

Block from 1E00 to 1EFF

1E80	1E81	1E82	1E83	1E84	1E85	1EF2	1EF3
Ŵ	ŵ	Ŷ	ŷ	Ź	Ż	Ÿ	ÿ

## General Punctuation

Block from 2000 to 206F

2007	2008	200B	200C	200D	200E	200F	2012	2013	2014	2015	2016	2018	2019	201A	201C
				↗	↖	↙	—	—	—	—		‘	’	,	“
201D	201E	2020	2021	2022	2026	2030	2039	203A	203F	2044	204A				
”	„	†	‡	•	...	‰	<	>	◡	/	7				

## Superscripts and Subscripts

Block from 2070 to 209F

2070	2074	2075	2076	2077	2078	2079	207A	207B	207C	207D	207E	2080	2081	2082	2083
⁰	⁴	⁵	⁶	⁷	⁸	⁹	⁺	⁻	⁼	(	)	₀	₁	₂	₃
2084	2085	2086	2087	2088	2089	208A	208B	208C	208D	208E					
₄	₅	₆	₇	₈	₉	₊	₋	₌	(	)					

## Currency Symbols

Block from 20A0 to 20CF

20AC	20AF	20B9	20BA	20BD
€	₭	₹	₺	₦

## Letterlike Symbols

Block from 2100 to 214F

2113	2116	2122	2126	212E
ℓ	N <sub>2</sub>	™	Ω	ℰ

## Number Forms

Block from 2150 to 218F

2153	2154	2155	2156	2157	2158	2159	215A	215B	215C	215D	215E	215F
$\frac{1}{3}$	$\frac{2}{3}$	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	$\frac{1}{6}$	$\frac{5}{6}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{\phantom{0}}$

## Arrows

Block from 2190 to 21FF

2190	2191	2192	2193	21E6	21E7	21E8	21E9	21EA
←	↑	→	↓	↩	↗	↘	↙	↖

## Mathematical Operators

Block from 2200 to 22FF

2202	2205	2206	220F	2211	2212	2215	2219	221A	221E	222B	2248	2260	2264	2265	22C5
$\partial$	$\oslash$	$\triangle$	$\prod$	$\Sigma$	$-$	$/$	$\cdot$	$\sqrt{\phantom{x}}$	$\infty$	$\int$	$\approx$	$\neq$	$\leq$	$\geq$	$\cdot$

## Miscellaneous Technical

Block from 2300 to 23FF

2326	2327	2328	232B	23CE
✖	✖	⌨	✖	↩

## Geometric Shapes

Block from 25A0 to 25FF

25AF	25CA
◻	◊

## Miscellaneous Mathematical Symbols-B

Block from 2980 to 29FF

2999
⋮

## Latin Extended-D

Block from A720 to A7FF

A789

A78A

˙      =

## Alphabetic Presentation Forms

Block from FB00 to FB4F

FB01

FB02

fi      fl

## Arabic Presentation Forms-B

Block from FE70 to FEFF

FEFF



# Unencoded Glyphs

All unencoded glyphs are accessible with OpenType layout feature capable applications.  
For a complete list of supported OpenType layout features see the next section.

## Small Capitals From Capitals, Small Capitals

A Á Ă Â Ã Ä Å Æ B C Č Ć Ç  
 Ĉ Ċ Đ Ď Ð E É Ě Ê Ë Ì Ò Ē Ė F G  
 Ğ Ġ Ģ H Ĥ I Í Î Ï Ĵ Ĵ Ĵ Ĵ  
 L Ł Ľ Ļ Ľ Ľ M N Ń Ņ Ņ Ņ Ņ Ņ Ņ  
 Ö Ò Ő Ō Ø Õ Œ P Þ Q R Ř Ŕ Ŕ S Š  
 Š Š Š T F Ě T T U Ú Û Ü Ù Ů Ů Ů  
 Ů V W W W W W X Y Ý Ŷ Ÿ Ÿ Z Ž Ž  
 Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž  
 Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž Ž

## Contextual Alternates, Stylistic Set 3

Œ

## Case-Sensitive Forms

ı ċ { } [ ] ( ) — — — — « » ‹ ›

∞ . ‹ › “ ” ^ ˇ ˘ ° ~ − , 5  
 ^ .. ‹ ″ − ° ~  
 5

## Discretionary Ligatures

fi fl

## Denominators

( ) = − +

## Denominators, Fractions

0 1 2 3 4 5 6 7 8 9

## Fractions, Numerators

0 1 2 3 4 5 6 7 8 9

## Localized Forms

Ć Ń Ó Ś Ź ć i ń ó ś ź Ć Ń Ó Ś Ź  
 , ’ ,

## Numerators

( ) = − +

## Old Style Figures, Proportional Figures

0 1 2 3 4 5 6 7 8 9 # – ¢ ¤ \$ ¤p  
 € ₧ ₦ ₹ £ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤  
 ¬ − × ≠ ∂ ‰ ‰ + ± ∏ √ ∑ ∎ § ° †  
 ‡

## Old Style Figures, Tabular Figures

0 1 2 3 4 5 6 7 8 9 # – ¢ ¤ \$ ¤p  
 € ₧ ₦ ₹ £ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤  
 ¬ − × ≠ ∂ ‰ ‰ + ± ∏ √ ∑ ∎ § ° †  
 ‡

## Small Capitals

FI FL FI FL N ß

## Tabular Figures

0 1 2 3 4 5 6 7 8 9 # – ¢ ¤ \$ ¤p  
 € ₧ ₦ ₹ £ ¥ ≈ ~ ÷ = > ≥ ∞ ∫ < ≤  
 ¬ − × ≠ ∂ ‰ ‰ + ± ∏ √ ∑ ∎ § ° †  
 ‡

## Slashed Zero

0 0 0 0

## Other

|?| . . . c

# OpenType Layout Features

For details about OpenType Layout Features see the [OpenType Layout tag registry](#).

## Substitution Features



### Access All Alternates

This feature makes all variations of a selected character accessible.



### Small Capitals

This feature turns lowercase characters into small capitals. This corresponds to the common SC font layout. It is generally used for display lines set in Large and small caps, such as titles. Forms related to small capitals, such as oldstyle figures, may be included.



### Small Capitals From Capitals

This feature turns capital characters into small capitals.



### Contextual Alternates

In specified situations, replaces default glyphs with alternate forms which provide better joining behavior.



### Standard Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers the ligatures which the designer/manufacturer judges should be used in normal conditions.



### Discretionary Ligatures

Replaces a sequence of glyphs with a single glyph which is preferred for typographic purposes. This feature covers those ligatures which may be used for special effect, at the user's preference.



### Old Style Figures

This feature changes selected figures from the default lining style to oldstyle form.



### Lining Figures

This feature changes selected figures from oldstyle to the default lining form.



### Proportional Figures

Replaces figure glyphs set on uniform (tabular) widths with corresponding glyphs set on glyph-specific (proportional) widths.



### Tabular Figures

Replaces figure glyphs set on proportional widths with corresponding glyphs set on uniform (tabular) widths.



### Slashed Zero

Some fonts contain both a default form of zero, and an alternative form which uses a diagonal slash through the counter. This feature allows the user to change from the default 0 to a slashed form.



### Numerators

Replaces selected figures which precede a slash with numerator figures, and replaces the typographic slash with the fraction slash.



### Denominators

Replaces selected figures which follow a slash with denominator figures.



### Fractions

Replaces figures separated by a slash with 'common' (diagonal) fractions.



### Superscript

Replaces lining or oldstyle figures with superior figures (primarily for footnote indication), and may replace lowercase letters with superior letters (primarily for abbreviated French titles).



### Subscript

The "subs" feature may replace a default glyph with a subscript glyph.



### Ordinals

Replaces default alphabetic glyphs with the corresponding ordinal forms for use after figures.



### Case-Sensitive Forms

Shifts various punctuation marks up to a position that works better with all-capital sequences or sets of lining figures; also changes oldstyle figures to lining figures.



### Localized Forms

This feature enables localized forms of glyphs to be substituted for default forms.



### Stylistic Set 3

## Positioning Features



### Capital Spacing

Globally adjusts inter-glyph spacing for all-capital text. Most typefaces contain capitals and lowercase characters, and the capitals are positioned to work with the lowercase. When capitals are used for words, they need more space between them for legibility and esthetics.



### Kerning

Adjusts amount of space between glyphs, generally to provide optically consistent spacing between glyphs.



### Mark Positioning

Positions mark glyphs with respect to base glyphs.



### Mark to Mark Positioning

Positions marks with respect to other marks. Required in various non-Latin scripts like Arabic.

# Codepages

## MacOS

MacOS Central Europe

## MS Windows

MS Windows 1250 Central European

MS Windows 1257 Baltic

## ISO

ISO 8859- 2 Latin 2 (Central Europe)  
ISO 8859-13 Latin 7 (Baltic 2)

ISO 8859-16 Latin 10

# Languages

Information about languages is mainly based on the Unicode Common Locale Data Repository. For details visit the [Unicode CLDR Project](#).

Afar	Galician	Manx	Slovak
Afrikaans	Ganda	Maori	Slovenian
Albanian	German	Moldavian	Soga
Asu	Gusii	Morisyen	Somali
Basque	Hungarian	North Ndebele	Sorbian, Lower
Bemba	Icelandic	Norwegian Bokmål	Sorbian, Upper
Bena	Indonesian	Norwegian Nynorsk	Sotho, Northern
Bosnian	Interlingua	Nyanja	Sotho, Southern
Breton	Irish	Nyankole	South Ndebele
Catalan	Italian	Occitan	Spanish
Chiga	Jju	Oromo	Swahili
Cognian	Kabuverdianu	Polish	Swati
Cornish	Kalenjin	Portuguese	Swedish
Croatian	Kinyarwanda	Romanian	Swiss German
Czech	Koro	Romansh	Taita
Danish	Kurdish	Rombo	Taroko
Dutch	Latvian	Rwa	Teso
English	Lithuanian	Saho	Tsonga
Estonian	Low German	Samburu	Tswana
Faroese	Luo	Sami Northern	Tyap
Filipino	Luyia	Sango	Vunjo
Finnish	Machame	Sena	Welsh
French	Makonde	Serbian	Wolof
Frisian West	Malagasy	Shambala	Xhosa
Friulian	Malay	Shona	Zulu
Ga	Maltese	Sidamo	