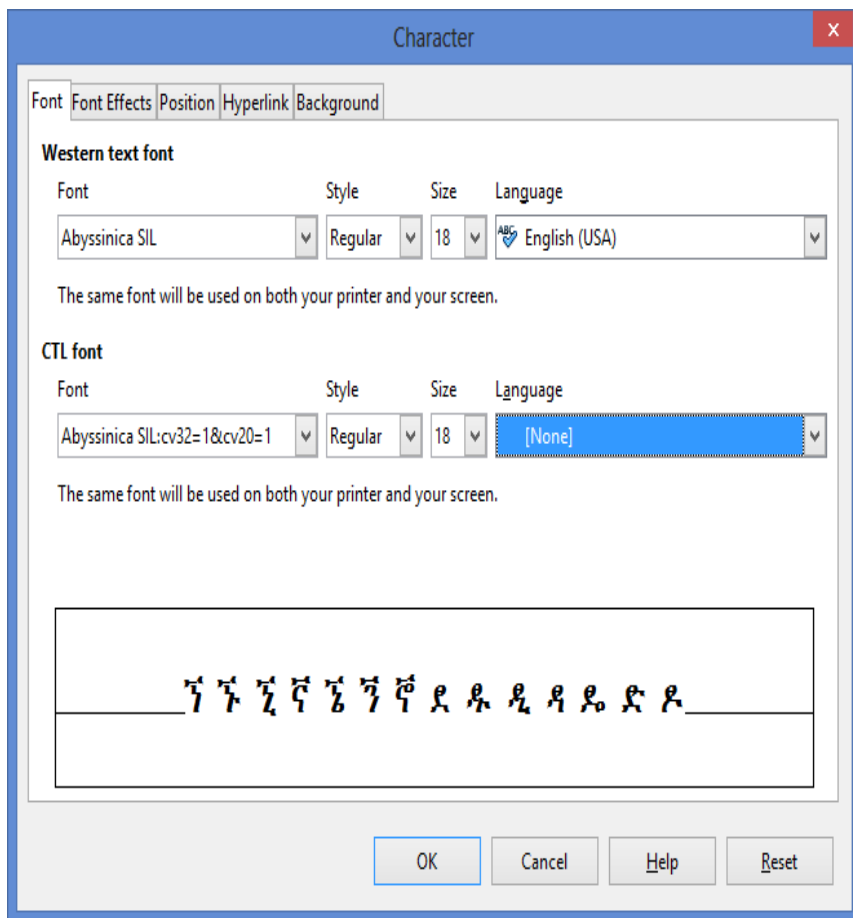# Abyssinica SIL Features

The Ethiopic script does not require much rendering except for some combining marks for gemination and vowel length. Abyssinica SIL provides both OpenType and Graphite rendering solutions for rendering the combining marks and for kerning as well as for the special glyph variations that can occur for the Ethiopic script. The tables below give lists of the Graphite features available in Abyssinica SIL.

Abyssinica SIL Graphite Features

New (version 1.500): To conform to the CSS four-character tag requirements, Graphite feature IDs for all variants in Abyssinica SIL have been changed since version 1.100.

When Abyssinica SIL is used in applications that support Graphite, and that provide an appropriate user interface, various user-controllable font features are available that allow access to alternatively-designed glyphs that might be preferable for use in some contexts. In LibreOffice 3.4+[1] the font features can be turned on by choosing the font (ie Abyssinica SIL), followed by a colon, followed by the feature ID, and then followed by the feature setting. So, for example, if the "dda alternates" are desired, the font selection would be "**Abyssinica SIL:cv32=1**". If you wish to apply two (or more) features, you can separate them with an "&". Thus, "**Abyssinica SIL:cv32=1&cv20=1**" would apply "dda alternates" plus the "nya alternates" feature.

For XeTeX[2], Feature IDs are not used, use the **Feature Name** and **Feature setting**, e.g., if Character Variant 32 was desired, the font selection would be:
"Abyssinica SIL/GR:dda alternates=Alternate" at 12pt

The table below gives a visual representation of the featured character glyphs in the font. The shaded lines show the default character(s). The other lines show the first alternate and, if available, the second alternate.

List of Graphite features

Graphite Feature Name	Feature setting	Feature IDs for LibreOffice	Character shapes
Punctuation	Ethiopic-style	Abyssinica SIL (default)	! $ % * + / 0 1 2 3 4 5 6 7 8 9 = ? ¡ © « ²³¹ » × ‘ ’ " " ‹ › 0 4 5 6 7 8 9 €
	Latin-style	Abyssinica SIL:cv01=1	! $ % * + / 0 1 2 3 4 5 6 7 8 9 = ? ¡ © « ²³¹ » × ‘ ’ " " ‹ › 0 4 5 6 7 8 9 €
mwa alternates (U+121F)	Standard		Ꮇ
	Alternate-1	Abyssinica SIL:cv04=1	Ꮇ
	Alternate-2	Abyssinica SIL:cv04=2	Ꮇ
rwa alternate (U+122F)	Standard	Abyssinica SIL (default)	ፈ
	Alternate	Abyssinica SIL:cv05=1	ፈ
xoa alternate (U+1287)	Standard	Abyssinica SIL (default)	Ꮏ
	Alternate	Abyssinica SIL:cv17=1	Ꮏ
xwa alternates (U+1288..U+128D)	Standard	Abyssinica SIL (default)	Ꮏ Ꮏ Ꮏ Ꮏ Ꮏ
	Handwriting	Abyssinica SIL:cv18=1	ሆ ሁ ሂ ሃ ሁ
nwa alternate (U+1297)	Standard	Abyssinica SIL (default)	Ꮎ
	Alternate	Abyssinica SIL:cv19=1	Ꮎ
nya alternates (U+1298..U+129E)	Standard	Abyssinica SIL (default)	ኘ ኙ ኚ ኛ ኜ ኝ ኞ
	Disconnected	Abyssinica SIL:cv20=1	ኘ ኙ ኚ ኛ ኜ ኝ ኞ
nywa alternates (U+129F)	Standard	Abyssinica SIL (default)	ኟ
	Disconnected	Abyssinica SIL:cv21=1	ኟ
	Cohen	Abyssinica SIL:cv21=2	ኟ
kxwaa alternate (U+12C3)	Standard	Abyssinica SIL (default)	ዃ
	Alternate	Abyssinica SIL:cv26=1	ዃ
zha alternates (U+12E0..U+12E6)	Standard	Abyssinica SIL (default)	ዠ ዡ ዢ ዣ ዤ ዥ ዦ
	Cohen	Abyssinica SIL:cv31=1	ዠ ዡ ዢ ዣ ዤ ዥ ዦ
	Chaine	Abyssinica SIL:cv31=2	ዠ ዡ ዢ ዣ ዤ ዥ ዦ
dda alternates (U+12F8..U+12FE)	Standard	Abyssinica SIL (default)	ዸ ዹ ዺ ዻ ዼ ዽ ዾ
	Alternate	Abyssinica SIL:cv32=1	ዸ ዹ ዺ ዻ ዼ ዽ ዾ
gwaa alternates (U+1313)	Standard	Abyssinica SIL (default)	ጓ
	Sebat Bet	Abyssinica SIL:cv40=1	ጓ

2 http://tug.org/xetex/

Graphite Feature Name	Feature setting	Feature IDs for LibreOffice	Character shapes
	Alone Stokes	Abyssinica SIL:cv40=2	ጊ
gga alternates (U+1318..U+131E)	Standard	Abyssinica SIL (default)	ጘ ጙ ጚ ጛ ጜ ጝ ጞ
	Disconnected	Abyssinica SIL:cv41=1	ጘ ጙ ጚ ጛ ጜ ጝ ጞ
ggwaa alternate (U+131F)	Standard	Abyssinica SIL (default)	ጟ
	Disconnected	Abyssinica SIL:cv42=1	ጟ
phe alternate (U+1335)	Standard	Abyssinica SIL (default)	ጵ
	Alternate	Abyssinica SIL:cv45=1	ጵ
fwa alternates (U+134F)	Standard	Abyssinica SIL (default)	ፏ
	Cohen-1	Abyssinica SIL:cv48=1	ፏ
	Cohen-2	Abyssinica SIL:cv48=2	ፏ
rya alternate (U+1358)	Standard	Abyssinica SIL (default)	ፘ
	Alternate	Abyssinica SIL:cv49=1	ፘ
mya alternate (U+1359)	Standard	Abyssinica SIL (default)	ፙ
	Alternate	Abyssinica SIL:cv50=1	ፙ
mwi alternates (U+1381)	Standard	Abyssinica SIL (default)	ፁ
	Sebat Bet	Abyssinica SIL:cv60=1	ፁ
	Leslau	Abyssinica SIL:cv60=2	ፁ
mwe alternates (U+1383)	Standard	Abyssinica SIL (default)	ፃ
	Sebat Bet	Abyssinica SIL:cv61=1	ፃ
	Leslau	Abyssinica SIL:cv61=2	ፃ
bwe alternate (U+1387)	Standard	Abyssinica SIL (default)	ፇ
	Alternate	Abyssinica SIL:cv62=1	ፇ
fwee alternate (U+138A)	Standard	Abyssinica SIL (default)	ፊ
	Alternate	Abyssinica SIL:cv63=1	ፊ
fwe alternate (U+138B)	Standard	Abyssinica SIL (default)	ፋ
	Alternate	Abyssinica SIL:cv64=1	ፋ
pwe alternate (U+138F)	Standard	Abyssinica SIL (default)	ፏ
	Alternate	Abyssinica SIL:cv65=1	ፏ
ggwa alternates (U+2D93..U+2D96)	Standard	Abyssinica SIL (default)	ⶓ ⶔ ⶕ ⶖ
	Disconnected	Abyssinica SIL:cv70=1	ⶓ ⶔ ⶕ ⶖ
3rd form alternates	Standard	Abyssinica SIL (default)	ቊ ኲ ዀ ጒ ቒ ፒ
(U+124A U+12B2 U+12C2 U+1312 U+1385 U+138D)	Alternate	Abyssinica SIL:cv80=1	ቊ ኲ ዀ ጒ ቒ ፒ
6th form alternates	Standard	Abyssinica SIL (default)	ቍ ኵ ዅ ጕ
(U+124D U+12B5 U+12C5 U+1315)	Alternate	Abyssinica SIL:cv85=1	ቍ ኵ ዅ ጕ