ÇİFT DEVRE ÇAM TİPİ Amax HESABI (UŞAK1-UŞAK2 FİDERİ)

Buz Yükü Bölgesi	: 2		**Hat Gerilimi**	:	34,5 Kv
İletken Tipi	: 477 MCM		**İzolatör Boyu**	:	0,80 m
Max Sehim Hali	: + 45 °C, Buz=0 Rüz=0		**aort veya ar**	:	148,60 m

Pn 477 MCM , 2. Bölge Buz=0 Rüz=0 = 0,9749 Kg

p0 477 MCM = 0,9749 Kg

Sin a 477 MCM = 0,08646

Tn 477 MCM, 2.Bölge, ar = 148,6 m
478 MCM, 2.Bölge, ar = = 841,51 Kg

Tn 477 MCM, 2.Bölge, ar = 148,6 m
+5°C , Ruz = 0 , Buz = 0 = 1096,55 Kg

Df = 2,59 m

Df = 0,5 (fmax + Lizalatör)$^{1/2}$ + (U / 150)

fmax = 4 (Df - (U / 150))² - Lizalatör

fmax = 4 .(1,97 - (34,5 / 150))² - 0

fmax = 21,4056 m

fmax = (pn . a_{df}²) / (8 . Tn)

a_{df} = (8 . Tn . fmax / pn)$^{1/2}$

a_{df} = (8 . 686,18 . 12,1104 / 0,8518)$^{1/2}$

$\mathbf{a_{df}}$ = 384,47 m

Ds = 4,80 m

Ds = 2 . (f_{+5} + Lizalatör) Sina + (U / 150)

$\mathbf{f_{+5}}$ = ((Ds - (U / 150)) / (2 Sina)) - Lizalatör

$\mathbf{f_{+5}}$ = ((4,3 - (34,5/ 150))/(2 . 0,10886)) - 0

$\mathbf{f_{+5}}$ = 25,6284 m

$\mathbf{f_{+5}}$ = (p0 . a_{ds}²) / (8 . Tn_{+5})

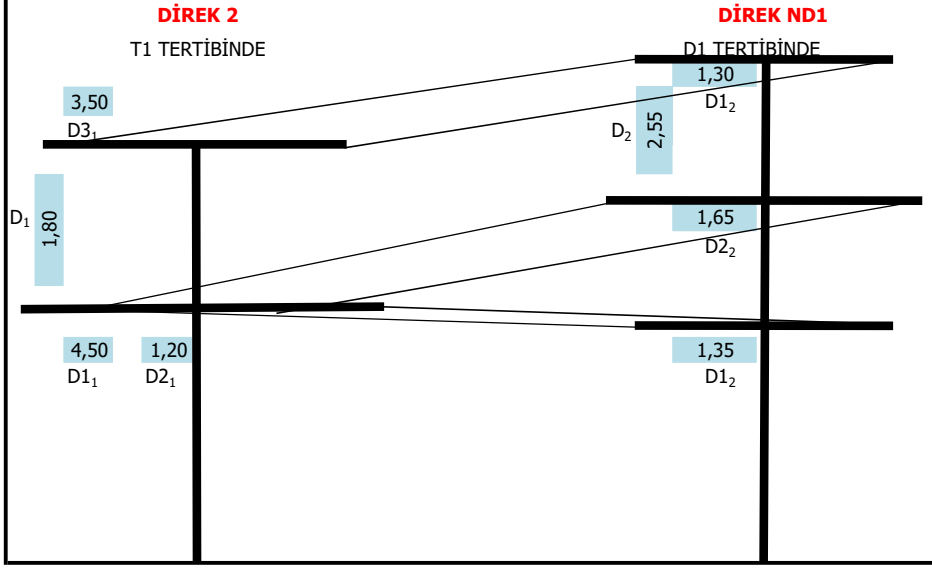
$\mathbf{a_{ds}}$ = (8 . Tn_{+5} . f_{+5} / p0)$^{1/2}$

$\mathbf{a_{ds}}$ = (8 . 242,07 . 18,6937 / 0,2159)$^{1/2}$

$\mathbf{a_{ds}}$ = 480,22 m

a max = 384,47 m

Df - Ds HESABI



HAT AÇISI = 180,00 °

Ds= $D3_1$ x sinα/2 $+D1_2$

Ds= 4,80m

$$\mathbf{Df=}\sqrt{\left[\frac{(D1_1)\ \times\ \sin\alpha/2}{2}\right]^2+\left[\frac{(D_2)}{2}\right]^2}$$

Df= 2,59 m