this is the value that I am calculating

SOURCE

Avail MVA>	4.75
X/R>	16.77

CONDUCTOR 1

L, ft >	164
R/1000'>	0.02984
X/1000'>	0.02722
AWG >	
Cdrs/Phase>	2

Base MVA >	100
Base kV1 >	6.6
Base kV2 >	0.42

I fp	415	Amperes

TRANSFORMER

MVA >	2.5
% Z >	7
X/R >	10

CONDUCTOR 2

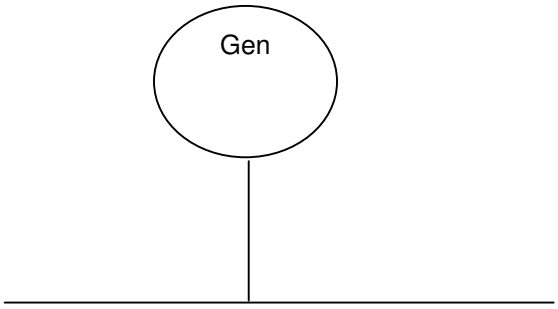
L, ft >	500
R/1000'>	0.048
X/1000'>	0.029
AWG >	
Cdrs/Phase>	2

I fs	5762	Amperes
I fc2	4718	Amperes

CALCS & RE

Base Z @ kV1	0.43560
Base Z @ kV2	0.00176
PUZu	21.05263
PURu	1.25315
PUXu	21.01530
PURc1	0.00562
PUXc1	0.00512
PUZt	2.80000
PURt	0.27861
PUXt	2.78610
PURc2	6.80272
PUXc2	4.10998
PURtot	8.34010
PUXtot	27.91651
PUZtot	29.13569

Color code:



MVA (base) = 100MVA
Isc (base) = 100MVA / 1.732*6.6kV
Isc (base) = 8748A

X" (new) = X" (old) * (MVA new base)/ (MVA old base)
X" (new) = 0.109*100MVA/4.75MVA
X" (new) = 2.2947 pu

Isc = Isc(base)/ X"(new)
Isc = 8748A / 2.2947
Isc = 3812A

MVA = 4.75
X" = 0.109
V = 6.6kV

SULTS

Base I @ kV1	8747.73135
Base I @ kV2	137464.34981

PURs	1.53738	PURp	1.25877
PUXs	23.80653	PUXp	21.02043
PUZs	23.85612	PUZp	21.05808

Headings
Data to be Entered
Results

5