

PREFORMED LINE PRODUCTS
VORTX™ DAMPER PLACEMENT RECOMMENDATION
DATE: 2017-03-24

Recommended Products	
Catalog No.	Quantity
VSD-2032	84
PR-0146	84

Customer: 3M
Project: Elwha River Crossing
Line Name: LC-SV 115kV, LC-B 12.5kV
Line Parameters: Cond./Bundle(1), Circuits(1), Terrain(Crossings: Water or Gorge)
Cable Type: 3M270-T35 - ACCR
Dead-End Type: Compression Dead-End
Suspension Type: Thermolign Suspension

NOTES: Protector Rods are required at all locations indicated by an "***". Do not apply dampers directly to conductor.

Damper Placements [in]					Span Ahead [ft]	Ruling Span [ft]	Number of Spans	Initial Tension [lbs]	Final Tension [lbs]	Span Behind Dwg Span Ahead Dwg	Structure Type	Max Protection Length Per Damper Level [ft]				Damper Catalog Numbers				Notes
Span Behind		----D-B-- --A-C----	Span Ahead									1	2	3	4	D	B	A	C	
D	B	Structure Name	A	C																
		T4			1005	1005	1	4707	3908		D	575	1150	1725	2300					
18	23	T3			835	835	1	4658	3779	COMP-DE-BFDF	D	575	1150	1725	2300	VSD-2032*	VSD-2032*			
18	22	T2			918	918	1	4870	4030	COMP-DE-BFDF	D	575	1150	1725	2300	VSD-2032*	VSD-2032*			
18	23	T1			0	0	1	0	0	COMP-DE-BFDF	D	575	1150	1725	2300	VSD-2032*	VSD-2032*			
		D4			1005	1005	1	2917	2577		D	575	1150	1725	2300					
16.1	18	D3			835	835	1	2896	2480	COMP-DE-BFDF	D	575	1150	1725	2300	VSD-2032*	VSD-2032*			
16.1	18	D2			918	918	1	3046	2652	COMP-DE-BFDF	D	575	1150	1725	2300	VSD-2032*	VSD-2032*			
16.1	19	D1			0			0	0	COMP-DE-BFDF	D	575	1150	1725	2300	VSD-2032*	VSD-2032*			