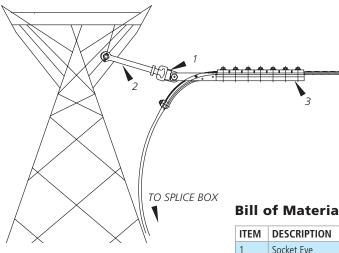




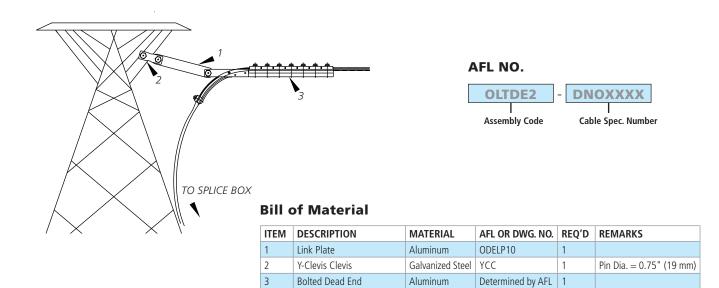
OPGW Single Dead End Lattice Tower Configuration Assemblies



AFL NO.		
OLTDE1		DNOXXXX
Assembly Code		Cable Spec. Number

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-BDE	1	
2	Y-Clevis Ball Hot Link	Galvanized Steel	YCBHL	1	Pin Dia. = 0.75" (19 mm)
3	Bolted Dead End (Included)	Aluminum	Determined by AFL	1	

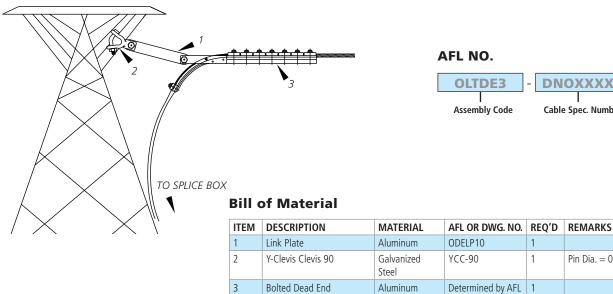


(Included)





OPGW Single Dead End Lattice Tower Configuration Assemblies (cont.)



(Included)



1

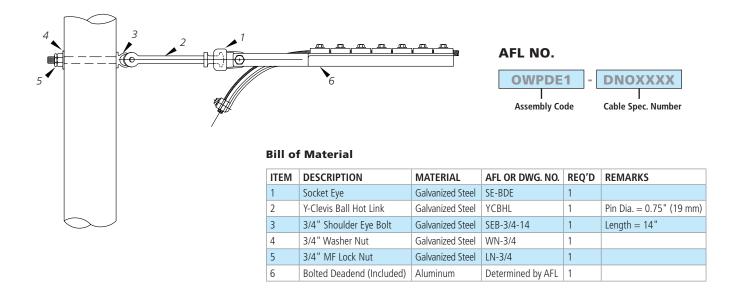
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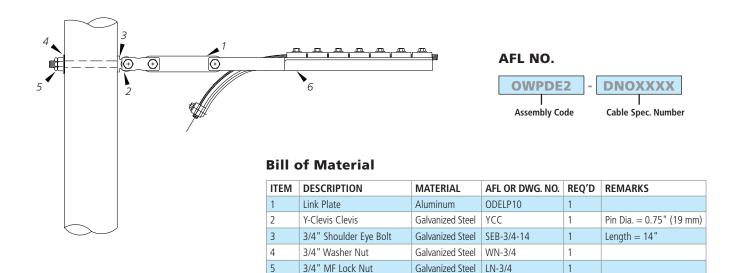
1

Pin Dia. = 0.75" (19 mm)



OPGW Single Dead End Wood Pole/H-Frame Configuration Assemblies





Bolted Deadend (Included)

Aluminum

6

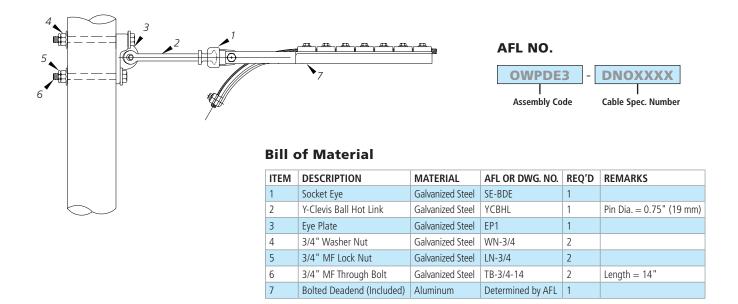
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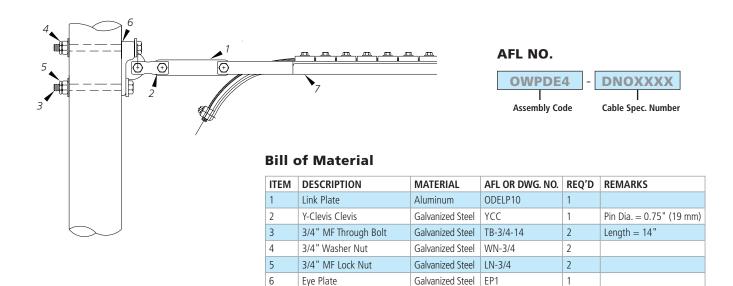
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Determined by AFL



OPGW Single Dead End Wood Pole/H-Frame Configuration Assemblies (cont.)





Bolted Deadend (Included)

Aluminum

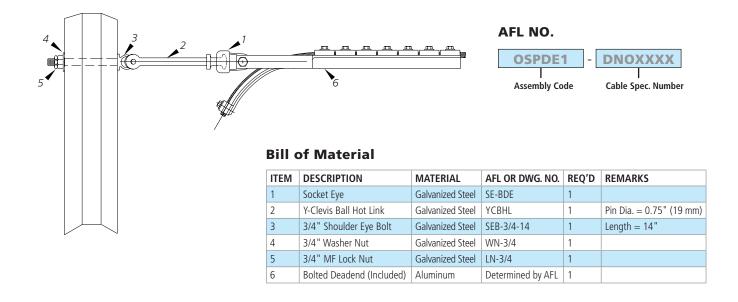
Determined by AFL

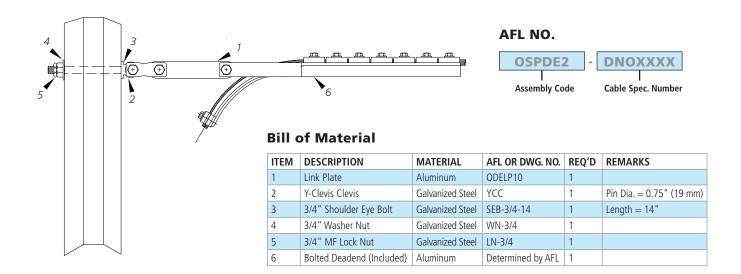
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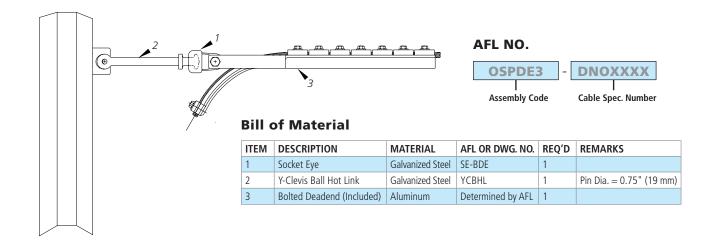
OPGW Single Dead End Steel Pole/Drilled Configuration Assemblies

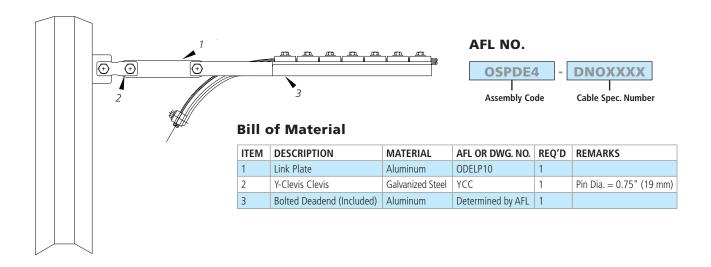






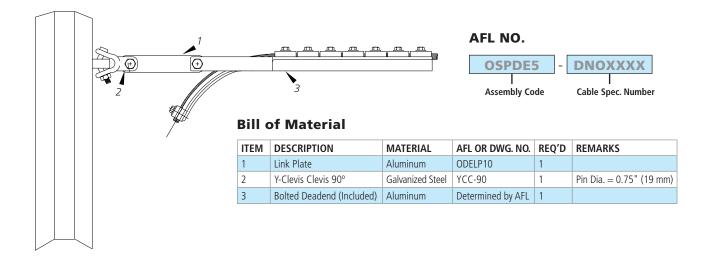
OPGW Single Dead End Steel Pole/Vang Configuration Assemblies





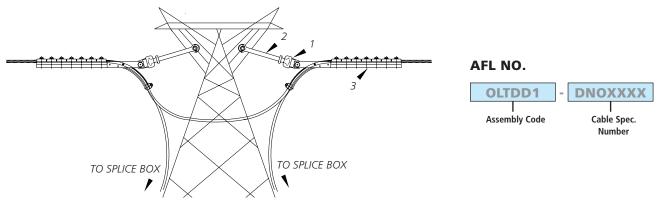


OPGW Single Dead End Steel Pole/Vang Configuration Assemblies (cont.)



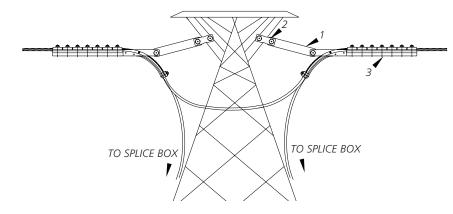


OPGW Double Dead End Lattice Tower Configuration Assemblies



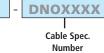
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-BDE	2	
2	Y-Clevis Ball Hot Link	Galvanized Steel	YCBHL	2	Pin Dia. = 0.75" (19 mm)
3	Bolted Dead End (Included)	Aluminum	Determined by AFL	2	



AFL NO.

OLTDD2 Assembly Code

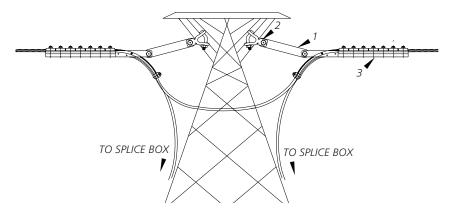


Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis	Galvanized Steel	YCC	2	Pin Dia. = 0.75" (19 mm)
3	Bolted Dead End (Included)	Aluminum	Determined by AFL	2	



OPGW Double Dead End Lattice Tower Configuration Assemblies (cont.)



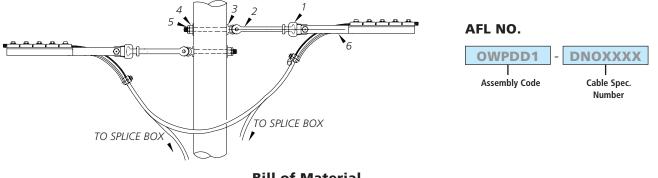
AFL NO. OLTDD3 - DNOXXXX Assembly Code - Cable Spec. Number

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis 90	Galvanized Steel	YCC-90	2	Pin Dia. = 0.75" (19 mm)
3	Bolted Dead End (Included)	Aluminum	Determined by AFL	2	

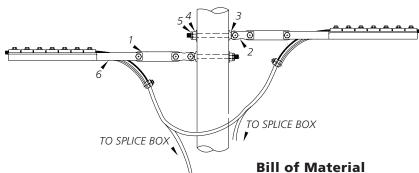


OPGW Double Dead End Wood Pole/H-Frame Configuration Assemblies



Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-BDE	2	
2	Y-Clevis Ball Hot Link	Galvanized Steel	YCBHL	2	Pin Dia. = 0.75" (19 mm)
3	3/4" Shoulder Eye Bolt	Galvanized Steel	SEB-3/4-14	2	Length = 14"
4	3/4" Washer Nut	Galvanized Steel	WN-3/4	2	
5	3/4" MF Lock Nut	Galvanized Steel	LN-3/4	2	
6	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	



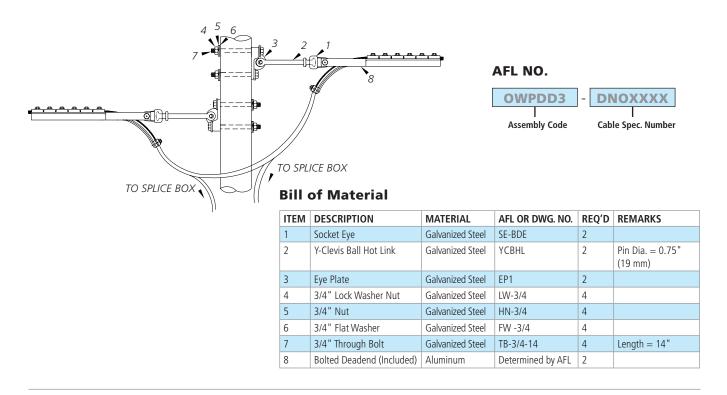
AFL NO.

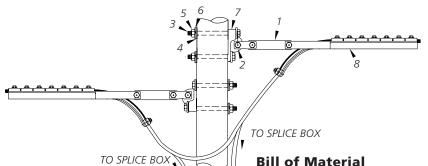
OWPDD2 DNOXXXX Assembly Code Cable Spec. Number

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis	Galvanized Steel	YCC	2	Pin Dia. = 0.75" (19 mm)
3	3/4" Shoulder Eye Bolt	Galvanized Steel	SEB-3/4-14	2	
4	3/4" Washer Nut	Galvanized Steel	WN-3/4	2	
5	3/4" MF Lock Nut	Galvanized Steel	LN-3/4	2	
6	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	



OPGW Double Dead End Wood Pole/H-Frame Configuration Assemblies (cont.)





AFL NO.

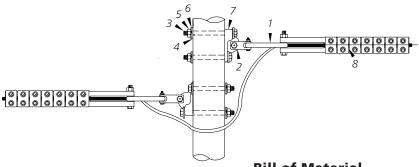
OWPDD4 DNOXXXX Assembly Code Cable Spec. Number

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis	Galvanized Steel	YCC	2	Pin Dia. = 0.75" (19 mm)
3	3/4" Through Bolt	Galvanized Steel	TB-3/4-14	4	Length = 14"
4	3/4" Flat Washer	Galvanized Steel	FN-3/4	4	
5	3/4" Nut	Galvanized Steel	HN-3/4	4	
6	3/4" Lock Washer	Galvanized Steel	LW-3/4	4	
7	Eye Plate	Galvanized Steel	EP1	2	
8	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	



OPGW Double Dead End Wood Pole/H-Frame Configuration Assemblies (cont.)





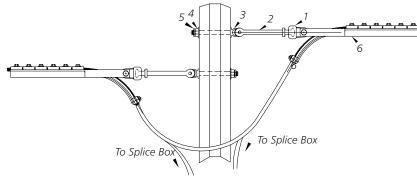
DNOXXXX Cable Spec. Number

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis 90°	Galvanized Steel	YCC-90	2	Pin Dia. = 0.75" (19 mm)
3	3/4" Through Bolt	Galvanized Steel	TB-3/4-14	4	Length = 14"
4	3/4" Flat Washer	Galvanized Steel	FN-3/4	4	
5	3/4" Nut	Galvanized Steel	HN-3/4	4	
6	3/4" Lock Washer	Galvanized Steel	LW-3/4	4	
7	Eye Plate	Galvanized Steel	EP1	2	
8	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	



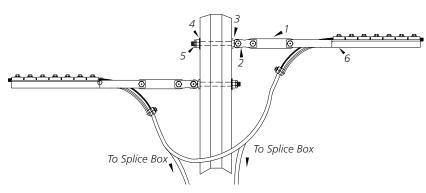
OPGW Double Dead End Steel Pole/Drilled Configuration Assemblies



AFL NO. OSPDD1 DNOXXXX Assembly Code Cable Spec. Number

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-BDE	2	
2	Y-Clevis Ball Hot Link	Galvanized Steel	YCBHL	2	Pin Dia. = 0.75" (19 mm)
3	3/4" Shoulder Eye Bolt	Galvanized Steel	SEB-3/4-14	2	
4	3/4" Washer Nut	Galvanized Steel	WN-3/4	2	
5	3/4" MF Lock Nut	Galvanized Steel	LN-3/4	2	
6	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	



AFL NO.

OSPDD2 DNOXXXX Cable Spec. Number

Assembly Code

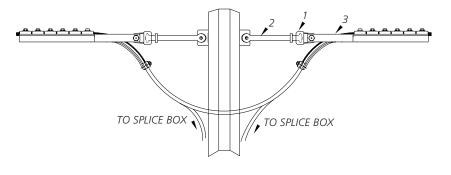
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis	Galvanized Steel	YCC	2	Pin Dia. = 0.75" (19 mm)
3	3/4" Shoulder Eye Bolt	Galvanized Steel	SEB-3/4-14	2	
4	3/4" Washer Nut	Galvanized Steel	WN-3/4	2	
5	3/4" MF Lock Nut	Galvanized Steel	LN-3/4	2	
6	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	





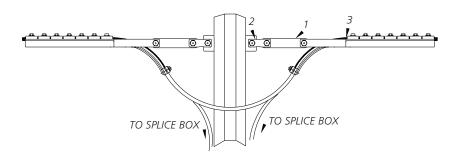
OPGW Double Dead End Steel Pole/Vang Configuration Assemblies



AFL NO. OSPDD3 - DNOXXXX Assembly Code Cable Spec. Number

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-BDE	2	
2	Y-Clevis Ball Hot Link	Galvanized Steel	YCBHL	2	Pin Dia. = 0.75" (19 mm)
3	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	







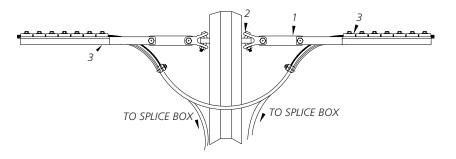
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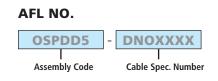
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis	Galvanized Steel	YCC	2	Pin Dia. = 0.75" (19 mm)
3	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	



OPGW Double Dead End Steel Pole/Vang Configuration Assemblies (cont.)





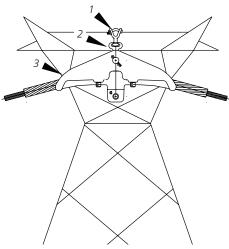
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Link Plate	Aluminum	ODELP10	2	
2	Y-Clevis Clevis 90°	Galvanized Steel	YCC-90	2	Pin Dia. = 0.75" (19 mm)
3	Bolted Deadend (Included)	Aluminum	Determined by AFL	2	





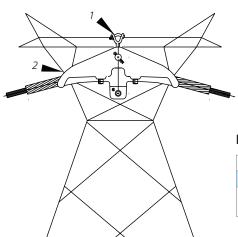
OPGW Single Suspension Lattice Tower Configuration Assemblies

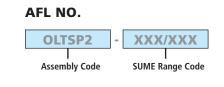




Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Ball	Galvanized Steel	YCBS	1	Pin Dia. = 0.75" (19 mm)
2	Socket Eye	Galvanized Steel	SE-SC	1	
3	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	



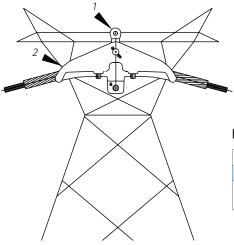


Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Eye 90°	Galvanized Steel	YCE-90-SC	1	Pin Dia. = 0.75" (19 mm)
2	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	



OPGW Single Suspension Lattice Tower Configuration Assemblies (cont.)



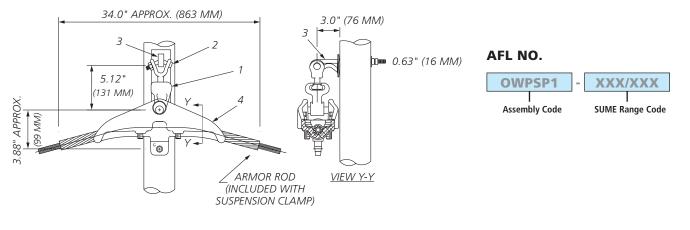
AFL NO.		
OLTSP3	-	XXX/XXX
Assembly Code		SUME Range Code

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Eye	Galvanized Steel	YC90E-750-1750	1	Pin Dia. = 0.75" (19 mm)
2	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	

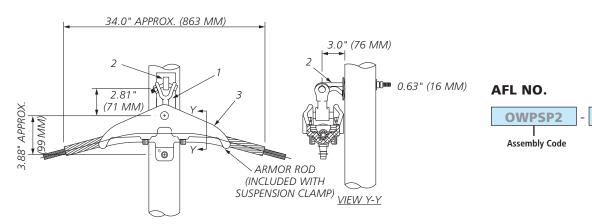


OPGW Single Suspension Wood Pole/H-Frame Configuration Assemblies



Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-SC	1	
2	Y-Clevis Ball	Galvanized Steel	YCBS	1	Pin Dia. = 0.75" (19mm)
3	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
4	Suspension Clamp Assembly (included)	Aluminum	SUME XXX/XXX	1	



Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Eye 90°	Galvanized Steel	YC90E-750-1750	1	Pin Dia. = 0.75" (19 mm)
2	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
3	Susp. Damp Assembley (included)	Aluminum	SUME XXX/XXX	1	

Accessories enlarged for clarity

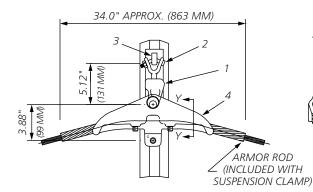
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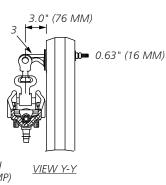
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OPGW Single Suspension Steel Pole/Drilled Configuration Assembly

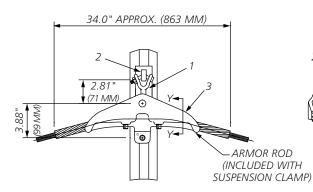


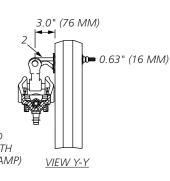


AFL NO. OSPSP1 - XXX/XXX Assembly Code SUME Range Code

Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Eye	Galvanized Steel	SE-SC	1	
2	Y-Clevis Ball	Galvanized Steel	YCBS	1	Pin Dia. = 0.75" (19 mm)
3	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
4	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	





AFL NO.



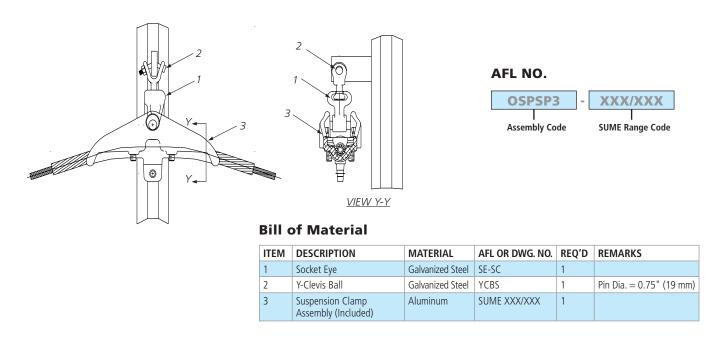
Bill of Material

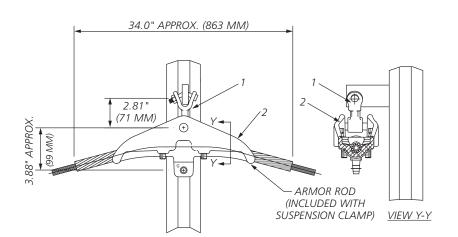
ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Eye 90°	Galvanized Steel	YC90E-750-1750	1	Pin Dia. = 0.75" (19 mm)
2	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
3	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	





OPGW Single Suspension Steel Pole/Vang Configuration Assemblies





AFL NO.

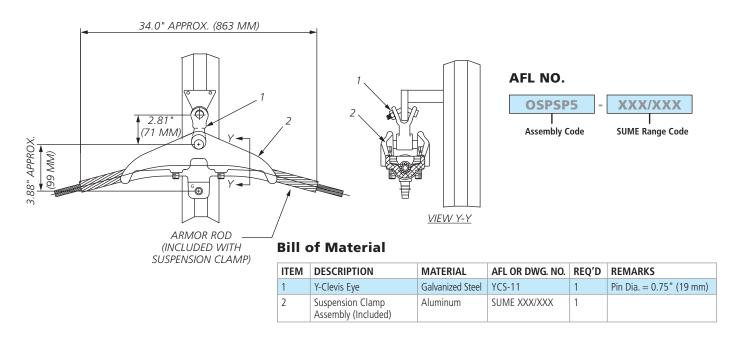


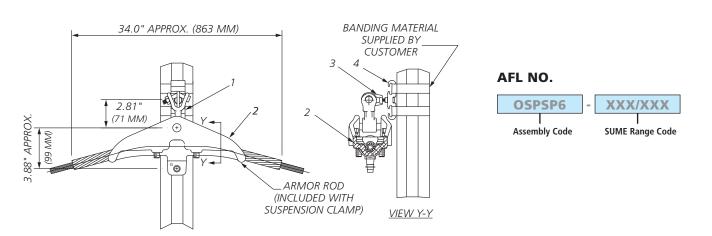
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Eye 90°	Galvanized Steel	YC90E-750-1750	1	Pin Dia. = 0.75" (19 mm)
2	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	



OPGW Single Suspension Steel Pole/Vang Configuration Assemblies (cont.)





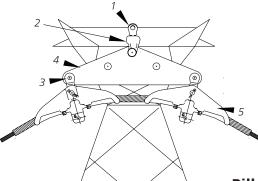
Bill of Material

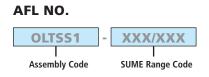
ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Eye 90°	Galvanized Steel	YC90E-750-1750	1	Pin Dia. = 0.75" (19mm)
2	Suspension Clamp Assembly (Included)	Aluminum	SUME XXX/XXX	1	
3	Eye Bolt	Galvanized Steel			
4	Banding Adaptor	Aluminum			



Fiber Optic Cable Hardware

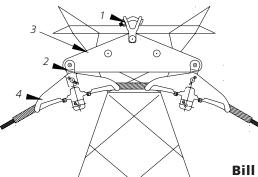
OPGW Double Suspension Lattice Tower Configuration Assemblies





Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Ball	Galvanized Steel	YCBS	1	Pin Dia. = 0.75" (19 mm)
2	Socket Clevis	Galvanized Steel	SC-YP	1	
3	Clevis Eye	Galvanized Steel	CE-SC	2	
4	Yoke Plate	Galvanized Steel	SUMEYP	1	
5	Double Suspension (included)	Aluminum	ODSME XXX/XXX	1	



AFL NO.

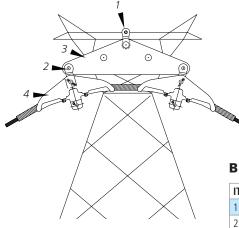


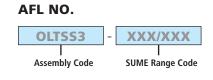
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Clevis 90°	Galvanized Steel	YCC-90	1	Pin Dia. = 0.75" (19 mm)
2	Clevis Eye	Alum./Gal. Steel	CE-SC	2	
3	Yoke Plate	Alum./Gal. Steel	SUMEYP	1	
4	Double Suspension (included)	Alum./Gal. Steel	ODSME XXX/XXX	1	



OPGW Double Suspension Lattice Tower Configuration Assemblies (cont.)



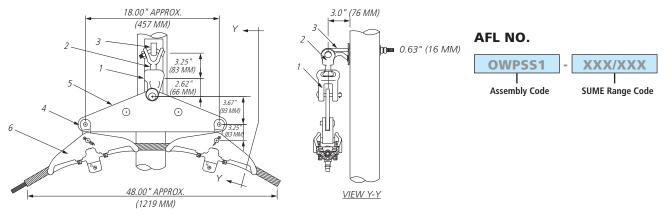


Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Clevis	Galvanized Steel	YCC	1	Pin Dia. = 0.75" (19 mm)
2	Clevis Eye	Galvanized Steel	CE-SC	2	
3	Yoke Plate	Galvanized Steel	SUMEYP	1	
4	Double Suspension (included)	Aluminum	ODSME XXX/XXX	1	

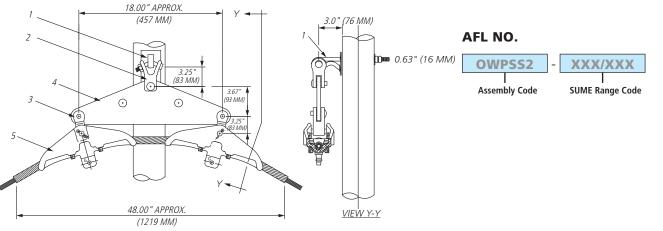


OPGW Double Suspension Wood Pole/H-Frame Configuration Assemblies



Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Clevis	Galvanized Steel	SC-YP	1	
2	Y-Clevis Ball	Galvanized Steel	YCBS	1	Pin Dia. = 0.75" (19 mm)
3	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
4	Clevis Eye	Galvanized Steel	CE-SC	2	
5	Yoke Plate	Galvanized Steel	SUMEYP	1	
6	Double Suspension (incl.)	Aluminum	ODSME XXX/XXX	1	

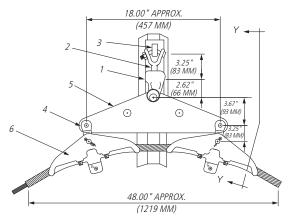


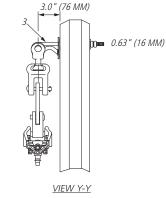
Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt,
					0.63" (16 mm) Dia.
2	Y-Clevis Clevis 90°	Galvanized Steel	YCC-90	1	Pin Dia. = 0.75" (19 mm)
3	Clevis Eye	Galvanized Steel	CE-SC	2	
4	Yoke Plate	Galvanized Steel	SUMEYP	1	
5	Double Suspension (Included)	Aluminum	ODSME XXX/XXX	1	



OPGW Double Suspension Steel Pole/Drilled Configuration Assembly

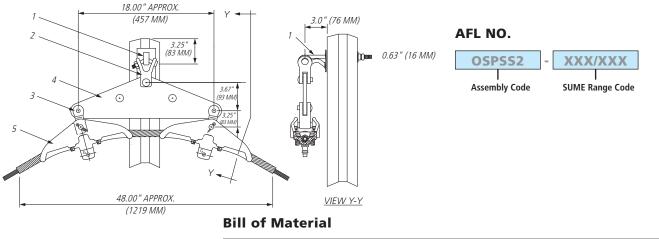




AFL NO.
OSPSS1 - XXX/XXX
Assembly Code SUME Range Code

Bill of Material

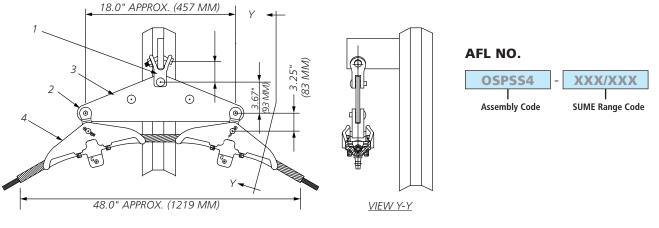
ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Socket Clevis	Galvanized Steel	SC-YP	1	
2	Y-Clevis Ball	Galvanized Steel	YCBS	1	Pin Dia. = 0.75" (19 mm)
3	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
4	Clevis Eye	Galvanized Steel	CE-SC	2	
5	Yoke Plate	Galvanized Steel	SUMEYP	1	
6	Double Suspension (incl.)	Aluminum	ODSME XXX/XXX	1	



ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Shield Wire Support Bracket	Galvanized Steel	SFOSB-WP-14	1	14" Bolt, 0.63" (16 mm) Dia.
2	Y-Clevis Clevis 90°	Galvanized Steel	YCC-90	1	Pin Dia. = 0.75" (19 mm)
3	Clevis Eye	Galvanized Steel	CE-SC	2	
4	Yoke Plate	Galvanized Steel	SUMEYP	1	
5	Double Suspension (incl.)	Aluminum	ODSME XXX/XXX	1	

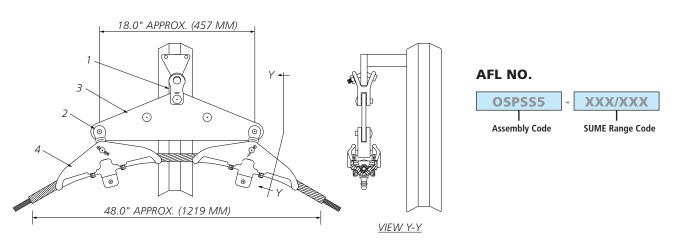


OPGW Double Suspension Steel Pole/Vang Configuration Assembly



Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Clevis 90°	Galvanized Steel	YCC-90	1	Pin Dia. = 0.75" (19 mm)
2	Clevis Eye	Galvanized Steel	CE-SC	2	
3	Yoke Plate	Galvanized Steel	SUMEYP	1	
4	Double Suspension (included)	Aluminum	ODSME XXX/XXX	1	



Bill of Material

ITEM	DESCRIPTION	MATERIAL	AFL OR DWG. NO.	REQ'D	REMARKS
1	Y-Clevis Clevis	Galvanized Steel	YCC	1	Pin Dia. = 0.75" (19 mm)
2	Clevis Eye	Galvanized Steel	CE-SC	2	
3	Yoke Plate	Galvanized Steel	SUMEYP	1	
4	Double Suspension (Included)	Aluminum	ODSME XXX/XXX	1	