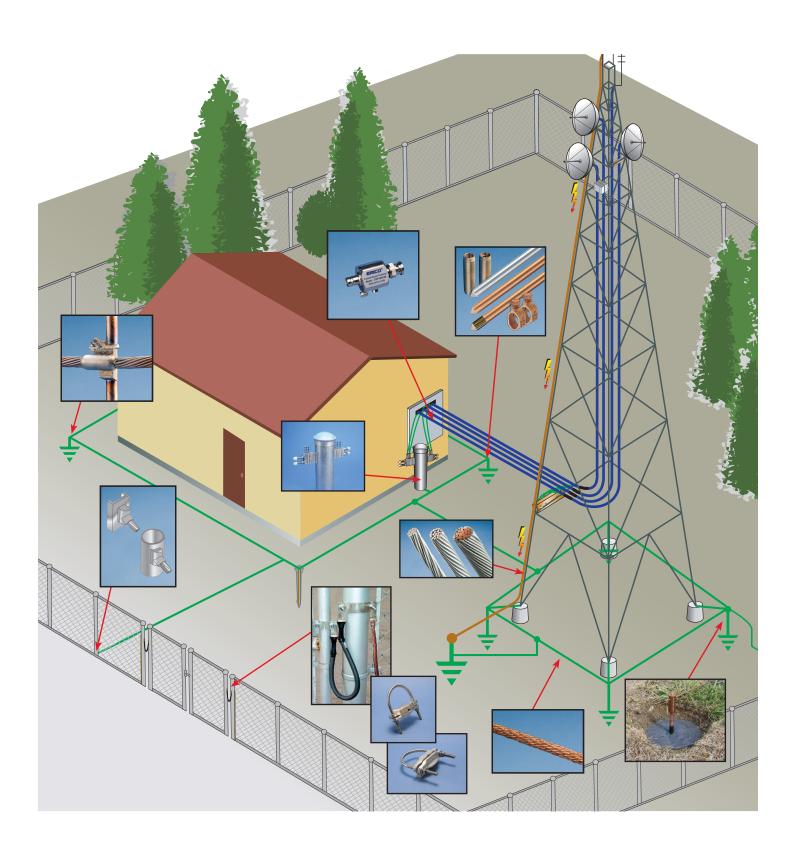




Telecommunications Grounding Layout



SSTIT #2 solid cable to #2 solid cable, horizontal straight splice (damp included) SSTIV #2 stranded cable to #2 stranded cable, horizontal straight splice (damp included) SSCOG #2 /0 stranded cable to #2 stranded cable, horizontal straight splice (damp included) SSCOG #4/0 stranded cable to #2 stranded cable, horizontal straight splice (SPI USF20 or #85 SCOG #4/0 stranded cable to #2 stranded cable, horizontal straight splice (SPI USF20 or #86 SCOG #4/0 stranded cable to #2 solid cable, horizontal straight splice (SPI USF20 or #86 SCOG #4/0 stranded cable to #2 solid cable, horizontal straight splice (SPI USF20 or #86 SCOG Parallel through connection of horizontal cable splice (SPI USF20 or #86 SPI USF20 or #8	Cadweld Connections	Application	Mold Part No.	Description	Welding Material Part No.
Spliced horizontal connection, straight, end to end Springer 27/8 stranded cable to 270 stranded cable, horizontal straight splice open 15 SSC2Q 47/8 stranded cable to 470 stranded cable, horizontal straight splice open 15 SSC2Q 47/8 stranded cable to 470 stranded cable, horizontal straight splice open 15 SPILISF20 or #65 OPPLISF20 or #65 OPPLI			SST1T	#2 solid cable to #2 solid cable; horizontal straight splice (clamp included)	32PLUSF20 or #32
straight, end to end SSC26 2/0 stranded cable to 4/0 stranded cable, horizontal straight splice 65PLUSF20 or #90		Spliced horizontal	SST1V		32PLUSF20 or #32
PTCTStyle: Parallel through connection of horizontal cables PT PTT Style: Parallel through connection of horizontal cables PT PTCStyle: Parallel through connection of horizontal cables PT PTCStyle: PTCSQ2Q PTC2Q2Q PTC2Q2Q PTC3CS PTC3		,	SSC2G	2/0 stranded cable to 2/0 stranded cable; horizontal straight splice	65PLUSF20 or #65
PTC Style: Parallel through connection of horizontal cables PTC 2020 PTC2020 P	SS		SSC2Q	4/0 stranded cable to 4/0 stranded cable; horizontal straight splice	90PLUSF20 or #90
Parallel through connection of horizontal cables PTC 926 2/0 stranded cable to 2/0 stranded cable; horizontal parallel splice 200PLUSF20 or #200 TACTS 15/12. Technicons of horizontal cables TACTS 25/12. Technicons of horizontal cables TACTS 25/12. Technicons of horizontal cables TACTS 25/12. Technicons 25/12			PTC1T1T	#2 solid cable to #2 solid cable; horizontal parallel splice	65PLUSF20 or #65
connection of horizontal cables PTC2Q2Q 4/0 stranded cable to 2/0 stranded cable; horizontal parallel splice 115PLUSF20 or #15 PTC2Q2Q 4/0 stranded cable to 4/0 stranded cable; horizontal parallel splice 200PLUSF20 or #200 TACTITIT #2 solid cable to #2 stranded cable; horizontal tee splice 45PLUSF20 or #45 TACTITIT #2 solid cable to #2 stranded cable; horizontal tee splice 45PLUSF20 or #45 TACTITIT #2 stranded cable to 2/0 stranded cable; horizontal tee splice 45PLUSF20 or #45 TACCGQ2 4/0 stranded cable; horizontal tee splice 150PLUSF20 or #90 PULUSF20 or #45 WSC1TVSC #2 solid cable to 4/0 stranded cable; horizontal tee splice 150PLUSF20 or #45 WSC1TVSC #2 solid cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 WSC1TVSC #2 stranded cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 WSC1TVSC WSC1			PTC1V1V	#2 stranded cable to #2 stranded cable; horizontal parallel splice	65PLUSF20 or #65
TAC1TIT #2 solid cable to #2 solid cable; horizontal tee splice 45PLUSF20 or #45 TAC1VIV #2 stranded cable to #2 stranded cable; horizontal tee splice 45PLUSF20 or #45 TAC2CQC 4/0 stranded cable to 2/0 stranded cable; horizontal tee splice 90PLUSF20 or #90 TAC2CQC 4/0 stranded cable to 4/0 stranded cable; horizontal tee splice 90PLUSF20 or #90 TAC2CQC 4/0 stranded cable to 4/0 stranded cable; horizontal tee splice 90PLUSF20 or #90 TAC2CQC 4/0 stranded cable to 4/0 stranded cable; horizontal tee splice 90PLUSF20 or #150 VSC1TV3C #2 solid cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 45PLUSF20 o		connection of	PTC2G2G	2/0 stranded cable to 2/0 stranded cable; horizontal parallel splice	115PLUSF20 or #115
TA' Style; Tec connections of horizontal cables of the process of	PT		PTC2Q2Q	4/0 stranded cable to 4/0 stranded cable; horizontal parallel splice	200PLUSF20 or #200
connections of horizontal cables TAC2G2G Z/0 stranded cable to 2/0 stranded cable; horizontal tee splice 90PLUSF20 or #90 150PLUSF20 or #150 WSC1TV3C #2 solid cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 WSC1TV3C #2 solid cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 WSC1TV3C #2 stranded cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 WSC1TV3C #2 stranded cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 45° to surface WSC1VV3C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 45° to surface WSC1VV3C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 #45° to surface WSC2GV3C 2/0 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45PLUSF20 or #45 #45° to surface WSC2CV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 #45° to surface WSC2CV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 #45° to surface WSC2CV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 #45° to surface WSC2CV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 #45° to surface WSC2CV5C 2/0 stranded cable to trial horizontal steel surface (clamp included) #45° to surface #45° to surf			TAC1T1T	#2 solid cable to #2 solid cable; horizontal tee splice	45PLUSF20 or #45
TACACGC 2/0 stranded cable to 2/0 stranded cable; horizontal tee splice 90PLUSF20 or #90 TACACQCQ 4/0 stranded cable to 4/0 stranded cable; horizontal tee splice 150PLUSF20 or #150 VSC1TV3C 4/2 solid cable to vertical steel pipes of 1.5' to 4" diameters; cable at 45PLUSF20 or #45 45P to surface VSC1VV5C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 45P to surface VSC2GV5C 2/0 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45PLUSF20 or #90 45P to surface VSC2GV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #90 45P to surface VSC2GV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #90 45PLUSF20 or #90 45PLUSF20 or #45 45PLUSF20 or #90 470 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #15 45PLUSF20 or #15 45PLUSF20 or #15 45PLUSF20 or #90 470 stranded cable to flat horizontal steel surface 45PLUSF20 or #90 470 stranded cable to top of nominal 5/8' copper-bonded ground rod 45PLUSF20 or #90 470 stranded cable to top of nominal 5/8' copper-bonded ground rod 45PLUSF20 or #90 470 stranded cable to top of nominal 5/8' copper-bonded ground rod 45PLUSF20 or #90 470 stranded cable to top of nominal 3/4' copper-bonded ground rod 45PLUSF20 or #90 470 stranded cable to top of nominal 3/4' copper-bonded ground rod 45PLUSF20 or #90 470 stranded cable to top of nominal 3/4' copper-bonde			TAC1V1V	#2 stranded cable to #2 stranded cable; horizontal tee splice	45PLUSF20 or #45
VSC1TV3C #2 solid cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 45° to surface VSC1TV5C #2 solid cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 cable at 45° to surface VSC1TV5C #2 stranded cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 45° to surface VSC1VV5C #2 stranded cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 VSC1V5C VSC2V5C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45PLUSF20 or #45 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45° to surface VSC2GV5C #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45° to surface VSC2GV5C #2 stranded cable to flat horizontal steel surface (clamp included) #45° to surface HAA1T #2 solid cable to flat horizontal steel surface (clamp included) #45° to surface HSC2G #40 stranded cable to flat horizontal steel surface (clamp included) #45° to surface HSC2G #40 stranded cable to flat horizontal steel surface FSC2G #40 stranded cable to flat horizontal steel surface FSC2G #40 stranded cable to flat horizontal steel surface FSC2G #40 stranded cable to top of nominal 5/8" copper-bonded ground rod FSC2G FSC3G #40 stranded cable to top of nominal 5/8" copper-bonded ground rod FSC3G FSC3G #40 stranded cable to top of nominal 5/8" copper-bonded ground rod FSC3G FSC3G #40 stranded cable to top o			TAC2G2G	2/0 stranded cable to 2/0 stranded cable; horizontal tee splice	90PLUSF20 or #90
VSC1TV5C #22 solid cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 cable at 459 angle to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 diameters; cable at 459 angle to vertical steel surface VSC1VV5C #22 stranded cable to vertical steel pipes of 1.5" to 4" diameters; cable at 45PLUSF20 or #45 vertical steel surface VSC1VV5C #23 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #45 vertical steel surface VSC2GV5C 2/0 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45PLUSF20 or #90 WSC2GV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #90 WSC2GV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #90 WSC2GV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45PLUSF20 or #90 WSC2GV5C WSC2GV5C WSC2GV5C 2/0 stranded cable to flat horizontal steel surface (clamp included) #AA1T #2 solid cable to flat horizontal steel surface (clamp included) #A5PLUSF20 or #45 #A5PLUSF20 or #90 #A5PLUSF	TA		TAC2Q2Q	4/0 stranded cable to 4/0 stranded cable; horizontal tee splice	150PLUSF20 or #150
vSc Style: Cable connection down of the surface vSc Tstyle: Cable connection down of the surface vSc Tstyle: Cable connection down of the surface vSc Tstyle: Cable connection to top of ground rod GR vSc Tstyle: Cable connection to top of ground rod GR vSc Tstyle: Cable connection to top of ground rod GR vSc Tstyle: Cable at 45° to surface vSc Tstyle: table at 45° to surface Tstyle: table at 45° to surface vSc Tstyle: table at 45° to surface vSc Tstyle: table at 45° to surface Tstyle: table at 45° to surface vSc Tstyle: table at 45° to surface vSc Tstyle: table at 45° to surface Tstyle: table at 45° to surface vSc Tstyle: table at 45° to surface Tstyle: table at 45° to surface vSc Tstyle: table at 45° to surface Tstyle: table at 45° to surface Tstyle: table at 45° to surface 45° to surface Tstyle: table at 45° to surface 115PLUSF20 or #15 Tstyle: table at 45° to surface Tstyle: table at 45° to surface 115PLUSF20 or #15 Tstyle: table at 45° to surface Tstyle			VSC1TV3C		45PLUSF20 or #45
VS Style: Cable connection down at 45° angle to vertical steel surface VSC1VVSC #2 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45°PLUSF20 or #45 vo surface VSC2GVSC 2/0 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45°PLUSF20 or #90 d5° to surface VSC2GVSC 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45°PLUSF20 or #90 d5° to surface VSC2GVSC 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45°PLUSF20 or #90 d5° to surface B160V Chain support for "VS" style molds HAA1T #2 solid cable to flat horizontal steel surface (clamp included) 45°PLUSF20 or #45 d5° to surface HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45°PLUSF20 or #45 d5° to surface HSC2G 4/0 stranded cable to flat horizontal steel surface (clamp included) 45°PLUSF20 or #90 d7° to 4" d1° to 6" d1°			VSC1TV5C		45PLUSF20 or #45
at 45° angle to vertical steel surface VSC2V3C VSC2V3C VSC2V3C VSC2GV3C VSC2GV5C VSC2GV3C VScaraded cable to top of nominal 5/8* copper-bonded ground rod VSC2GV3C VSC1GVale VSC2GV3C VSC1GVale VSC2GV5C VSC1GVale VSC1GVale VSC2GV5C VSC1GVale VSC1GVale VSC2GV5C VSC1GVale VSC1GVale VSC1GVale VSC1GAC VSC1GVALE VSC1GAC VSC1GVALE VSC1G		,	VSC1VV3C		45PLUSF20 or #45
VSC2GV3C 2/0 stranded cable to vertical steel pipes of 2" to 4" diameters; cable at 45° to surface VSC2GV5C 2/0 stranded cable to vertical steel pipes of 4" to 6" diameters; cable at 45° to surface B160V Chain support for "VS" style molds HAA1T #2 solid cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HSC2G 2/0 stranded cable to flat horizontal steel surface 90PLUSF20 or #90 HSC2Q 4/0 stranded cable to flat horizontal steel surface 115PLUSF20 or #115 GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #90 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90		at 45° angle to vertical steel	VSC1VV5C		45PLUSF20 or #45
HAA1T #2 solid cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HAA1T #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HSC2G 2/0 stranded cable to flat horizontal steel surface 90PLUSF20 or #90 HSC2Q 4/0 stranded cable to flat horizontal steel surface 115PLUSF20 or #115 GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90	VS	surface	VSC2GV3C		90PLUSF20 or #90
HAA1T #2 solid cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HS - Cable connections to flat horizontal teel surface HSC2G 2/0 stranded cable to flat horizontal steel surface 90PLUSF20 or #90 HSC2Q 4/0 stranded cable to flat horizontal steel surface 115PLUSF20 or #115 GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #90 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162G 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			VSC2GV5C		90PLUSF20 or #90
HAA1V #2 stranded cable to flat horizontal steel surface (clamp included) 45PLUSF20 or #45 HSC2G 2/0 stranded cable to flat horizontal steel surface 90PLUSF20 or #90 HSC2Q 4/0 stranded cable to flat horizontal steel surface 115PLUSF20 or #115 GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			B160V	Chain support for "VS" style molds	
"HA" & "HS" Style; cable connections to flat horizontal teel surface HSC2G 2/0 stranded cable to flat horizontal steel surface HSC2G 4/0 stranded cable to flat horizontal steel surface HSC2Q 4/0 stranded cable to flat horizontal steel surface HSC2Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod GRC161V #2 stranded cable to top of nominal 5/8" copper-bonded ground rod GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 90PLUSF20 or #90 90PLUSF20 or #90	(A)		HAA1T	#2 solid cable to flat horizontal steel surface (clamp included)	45PLUSF20 or #45
to flat horizontal teel surface HSC2G 2/0 stranded cable to flat horizontal steel surface 90PLUSF20 or #90 HSC2Q 4/0 stranded cable to flat horizontal steel surface 115PLUSF20 or #115 GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC161V #2 stranded cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90	НА		HAA1V	#2 stranded cable to flat horizontal steel surface (clamp included)	45PLUSF20 or #45
HSC2Q 4/0 stranded cable to flat horizontal steel surface 115PLUSF20 or #115 GRC161T #2 solid cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC161V #2 stranded cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90	9	to flat horizontal	HSC2G	2/0 stranded cable to flat horizontal steel surface	90PLUSF20 or #90
GRC161V #2 stranded cable to top of nominal 5/8" copper-bonded ground rod 65PLUSF20 or #65 GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90		teel surface	HSC2Q	4/0 stranded cable to flat horizontal steel surface	115PLUSF20 or #115
GRC162G 2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			GRC161T	#2 solid cable to top of nominal 5/8" copper-bonded ground rod	65PLUSF20 or #65
GRC162Q 4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod 90PLUSF20 or #90 GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			GRC161V	#2 stranded cable to top of nominal 5/8" copper-bonded ground rod	65PLUSF20 or #65
connection to top of ground rod GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 90PLUSF20 or #90 90PLUSF20 or #90			GRC162G	2/0 stranded cable to top of nominal 5/8" copper-bonded ground rod	90PLUSF20 or #90
of ground rod GRC181T #2 solid cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			GRC162Q	4/0 stranded cable to top of nominal 5/8" copper-bonded ground rod	90PLUSF20 or #90
GRC181V #2 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90 GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			GRC181T	#2 solid cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
GRC182G 2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90	GR		GRC181V	#2 stranded cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
GRC182Q 4/0 stranded cable to top of nominal 3/4" copper-bonded ground rod 90PLUSF20 or #90			GRC182G	2/0 stranded cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
			GRC182Q		90PLUSF20 or #90

Cadweld Connections	Application	Mold Part No.	Description	Welding Material Part No.
		GTC161T	#2 solid through cable to top of nominal 5/8" copper-bonded ground rod	65PLUSF20 or #65
		GTC161V	#2 stranded through cable to top of nominal 5/8" copper-bonded ground rod	65PLUSF20 or #65
	"GT"Style;	GTC162G	2/0 stranded through cable to top of nominal 5/8" copper-bonded ground rod	90PLUSF20 or #90
	through cable	GTC162Q	4/0 stranded through cable to top of nominal 5/8" copper-bonded ground rod	90PLUSF20 or #90
	connection to top of	GTC181T	#2 solid through cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
OT	ground rod	GTC181V	#2 stranded through cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
GT		GTC182G	2/0 stranded through cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
		GTC182Q	4/0 stranded through cable to top of nominal 3/4" copper-bonded ground rod	90PLUSF20 or #90
	"LJ" Style;	LJCEG1T	#2 solid cable to edge of 1/4" thick by 1-1/2" and wider copper bar	65PLUSF20 or #65
	cable connection to edge of horizontal busbar	LJCEG1V	#2 stranded cable to edge of 1/4" thick by 1-1/2" and wider copper bar	65PLUSF20 or #65
LJ		LJGEG2G	2/0 stranded cable to edge of 1/4" thick by 1-1/2" and wider copper bar	90PLUSF20 or #90
		LJCEG2Q	4/0 stranded cable to edge of 1/4" thick by 1-1/2" and wider copper bar	90PLUSF20 or #90

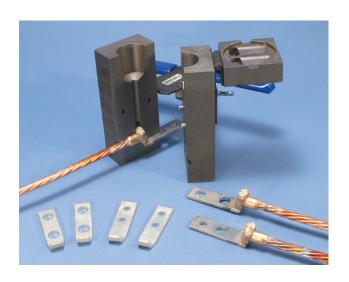
Accessories	Part No.	Description
	L160	Handle Clamp
	PLUSCU	Control unit for igniting Cadweld Plus
0	T320	Flint ignitor
	T313	Wire cleaning brush
	T394	Mold cleaning brush

Telecom Lugs	Part Number	Thickness A	Width B	Length C	Centers D	E	Bolt Size F
F E F				One Hole Uptur	n Lug		
⊕ B	B921CC14	.125	.63	.875	N/A	.375	1/4"
C TA	B921CC38	.125	.63	.875	N/A	.375	3/8"
← D → E ←				Two Hole Uptur	n Lug		
† † † † † † † † † † † † † † † † † † †	B922CC14A	.125	.63	1.88	.625	.375	1/4"
	B922CC14B	.125	.63	1.88	.75	.375	1/4"
C C C	B922CC14C	.125	.63	1.88	1	.375	1/4"
TA TA	B922CC38B	.125	.63	1.88	.75	.375	3/8"
	B922CC38C	.125	.63	1.88	1	.375	3/8"

Note: All Cadweld lugs are electrotin plated copper alloy.

TELECOM LUGS - SLEEVE REQUIREMENTS

Со	nductor Size(s)		
Concentric	Solid	Sleeve No.	Quantity per Package
#6	N/A	B112	25
#4	#4	B1331V	25
N/A	#2	S429F1N12	25
#2	N/A	No Sleeve Required	N/A



ORDERING INFORMATION

nVent ERICO Cadweld Telecom Mold Part No. is GLPCC001TC and includes B399B Mini EZ change handle clamp and T320 flint ignitor. Cadweld weld metal size #25 works for all 7 lug sizes.

Grounding Accessories	Application	Part No.	Description
		613852	Copper-bonded ground rod 3/8" x 5', 3 mils of copper
		6138529	Copper-bonded ground rod 3/8" x 5', 3 mils of copper, 18" #10 AWG pigtail
		611350	Copper-bonded ground rod 1/2" x 5', 10 mils of copper
		611360	Copper-bonded ground rod 1/2" x 6', 10 mils of copper
	Ground rods	611380	Copper-bonded ground rod 1/2" x 8', 10 mils of copper
	and couplers are used for vertical	615880	Copper-bonded ground rod 5/8" x 8', 10 mils of copper
	driving or drilled applications	615800	Copper-bonded ground rod 5/8" x 10', 10 mils of copper
	аррисацонѕ	615883	Copper-bonded ground rod 5/8" x 8', 13 mils of copper
		613400	Copper-bonded ground rod 3/4" x 10', 10 mils of copper
T. I.			
		CC12F	Compression coupler for 1/2" ground rod
		CC58	Compression coupler for 5/8" ground rod
		CP58	Silican bronze ground rod clamp, 1/2" – 5/8" ground rods, #10 solid – #2 stranded wire
	Ground rod clamps	CP34	Silican Bronze Ground Rod Clamp, 1/2" – 3/4" ground rods, #10 Solid – #1/0 Stranded Wire
		SP58	Stainless Steel Ground Rod Clamp, 1/2" – 5/8" ground rods, #10 solid – #2 stranded wire
		Bare Copper Grou	und Bar Assembly
		EGBA1426SS	Ground Bar Assembly 1/4" x 2" x 6" SS Hole Pattern
3/4		EGBA14210SS	Ground Bar Assembly 1/4" x 2" x 10" SS Hole Pattern
● B B B B B B B B B B B B B B D 7/8		EGBA14212SS	Ground Bar Assembly 1/4" x 2" x 12" SS Hole Pattern
		EGBA14214SS	Ground Bar Assembly 1/4" x 2" x 14" SS Hole Pattern
Pattern "SS"		EGBA1446QQ	Ground Bar Assembly 1/4" x 4" x 6" QQ Hole Pattern
		EGBA14412QQ	Ground Bar Assembly 1/4" x 4" x 12" QQ Hole Pattern
		EGBA14414QQ	Ground Bar Assembly 1/4" x 4" x 14" QQ Hole Pattern
	Bare and tinned	EGBA14420QQ	Ground Bar Assembly 1/4" x 4" x 20" QQ Hole Pattern
	copper ground bars with	EGBA14424QQ	Ground Bar Assembly 1/4" x 4" x 24" QQ Hole Pattern
√0 ⁷ / ₁₆ " → - 3/4"	insulators and	Tinned Copper G	round Bar Assembly
000000000000000000000000000000000000000	bracket	EGBA1426SST	Ground Bar Assembly 1/4" x 2" x 6" SS Hole Pattern, Tinned Copper
000000000000000000000000000000000000000			Ground Bar Assembly 1/4" x 2" x 12" SS Hole Pattern, Tinned Copper
			Ground Bar Assembly 1/4" x 2" x 14" SS Hole Pattern, Tinned Copper
Pattern "QQ"			Ground Bar Assembly 1/4" x 2" x 19" SS Hole Pattern, Tinned Copper
		EGBA1446QQT	Ground Bar Assembly 1/4" x 4" x 6" QQ Hole Pattern, Tinned Copper
			Ground Bar Assembly 1/4" x 4" x 12" QQ Hole Pattern, Tinned Copper
			Ground Bar Assembly 1/4" x 4" x 14" QQ Hole Pattern, Tinned Copper
			Ground Bar Assembly 1/4" x 4" x 20" QQ Hole Pattern, Tinned Copper
			Ground Bar Assembly 1/4" x 4" x 24" QQ Hole Pattern, Tinned Copper
Cadweld 2	Jumpers are	FJ1T24	#2 Solid wire, 24"
Connection / Type VB	used to bond fence posts and gates	FJ2G24	2/0 Stranded wire, 24"

Tinned Bronze Fence Clamps	Application	Part No.	Pipe Size (in)	Conductor Size (AWG)	Conductor Size (mm²)	Pipe Size (mm)
		Single Hole	•			
JA Tamana		FC073	1-1/2	4 Solid - 2/0 Stranded	16 – 70 Stranded	40
		FC074	1-1/2	2/0 Solid - 250 MCM Stranded	50 - 120 Stranded	40
		FC075	2	4 Solid - 2/0 Stranded	16 - 70 Stranded	50
	Fence clamps are used to connect ground wire to fence posts	FC076	2	2/0 Solid – 250 MCM Stranded	50 - 120 Stranded	50
		FC078	2-1/2	2/0 Solid – 250 MCM Stranded	16 - 120 Stranded	65
		FC079	3	4 Solid - 2/0 Stranded	16 - 70 Stranded	80
The state of the s		FC080	3	2/0 Solid – 250 MCM Stranded	50 - 120 Stranded	80
0 FG 075		FC082	3-1/2	4 Solid - 2/0 Stranded	16 - 120 Stranded	90
		Dual Hole				
		FC076 DH	2	2 x 2/0 Solid – 250 MCM Stranded	50 - 120 Stranded	50
		FC078 DH	2-1/2	2 x 2/0 Solid – 250 MCM Stranded	16 - 120 Stranded	65
		FC082 DH	3-1/2	2 x 4 Solid – 2/0 Stranded	16 - 120 Stranded	90

Ground Bus Assemblies	Application	Part No.	Description	
	nVent ERICO theft deterrent ground assembly (TDSGA) is an alternative to copper ground bars	TDSGAU14	Bar Assembly, Ground Bus, Universal Mount	
			TDSGAPA14	Bar Assembly, Ground Bus, Through Pole/Post Mount
		TDSGAWB17	Bar Assembly, Ground Bus, Wall Bracket Mount	
		TDSGABC14	Bar Assembly, Ground Bus, Beam Clamp Mount	
		TDSGAPC14	Bar Assembly, Ground Bus, Pole/Post Clamp Mount	

Theft Deterrent Composite Cable	Application	Global Part No. (Reel)	Stranding	Resistance	Outside Diameter	Fusing Capacity Equivalency	Standard Packaging Quantity	Weight*
	Theft deterrent composite cables are bare	CC5A04	(1) tinned copper,(6) galvanized steel	0.485 Ω/ 1,000 ft; 1.499 Ω/km	0.330 in (0.838 cm)	112% of 4 AWG (100% of 16 mm²)	250 ft (76.2 m)	57 lbs (25.85 kg)
CCSA04 CCSA05	or insulated concentric stranded conductors that consist of peripheral	CC5A05	(3) tinned copper, (16) galvanized steel	0.457 Ω/ 1,000 ft; 1.591 Ω/km	0.334 in (0.848 cm)	113% of 4 AWG (100% of 16 mm²)	250 ft (76.2 m)	58 lbs (26.31 kg)
CCSA20 CCSA20IN	galvanized steel stranding, which conceals and helps protect the internal tinned copper strands.	CC5A20	(133) tinned copper, (21) galvanized steel	0.098 Ω/ 1,000 ft; 0.320 Ω/km	0.526 in (1.336 cm)	100% of 2/0 AWG (> 50 mm ²)	200 ft (61.0 m)	109 lbs (49.44 kg)

*Weight does not include reel.

	Theft Deterrent		Cadweld		
Cadweld Connection	Conductor Size	Weld	Mold	Ground Rod or Lug	Welding Material
	CC5A04 or CC5A05		SSCS1		32PLUSF20 or #32
	CC5A20	"SS"	SSCS5		90PLUSF20 or #90
	CC5A30	Style	SSCS6		115PLUSF20 or #115
7	CC5A40		SSCS7		150PLUSF20 or #150
	CC5A04 or CC5A05		GRC16S1	Nominal 5/8" copper-bonded	65PLUSF20 or #65
	CC5A20		GRC16S5	Nominal 5/8" copper-bonded	90PLUSF20 or #90
	CC5A30		GRC16S6	Nominal 5/8" copper-bonded	90PLUSF20 or #90
100	CC5A40	"GR"	GRC16S7	Nominal 5/8" copper-bonded	115PLUSF20 or #115
	CC5A04 or CC5A05	Style	GRC18S1	Nominal 3/4" copper-bonded	90PLUSF20 or #90
	CC5A20		GRC18S5	Nominal 3/4" copper-bonded	90PLUSF20 or #90
	CC5A30		GRC18S6	Nominal 3/4" copper-bonded	90PLUSF20 or #90
	CC5A40		GRC18S7	Nominal 3/4" copper-bonded	115PLUSF20 or #115
	CC5A04 or CC5A05		GTC16S1	Nominal 5/8" copper-bonded	90PLUSF20 or #90
	CC5A20		GTC16S5	Nominal 5/8" copper-bonded	115PLUSF20 or #115
	CC5A30		GTC16S6	Nominal 5/8" copper-bonded	150PLUSF20 or #150
	CC5A40	"GT"	GTC16S7	Nominal 5/8" copper-bonded	200PLUSF20 or #200
	CC5A04 or CC5A05	Style	GTC18S1	Nominal 3/4" copper-bonded	90PLUSF20 or #90
	CC5A20		GTC18S5	Nominal 3/4" copper-bonded	115PLUSF20 or #115
	CC5A30		GTC18S6	Nominal 3/4" copper-bonded	150PLUSF20 or #150
	CC5A40		GTC18S7	Nominal 3/4" copper-bonded	200PLUSF20 or #200
	CC5A04 or CC5A05		GLCCES1	B121CE or B122CE	32PLUSF20 or #32
	CC5A20	"GL"	GLCCES5	B121CE or B122CE	45PLUSF20 or #45
	CC5A30	Style	GLCCES6	B121CE or B122CE	65PLUSF20 or #65
	CC5A40		GLCCES7	B121DE or B122DE	65PLUSF20 or #65
	CC5A04 or CC5A05		LACS1CE	B101CEOL or B102CEOL	45PLUSF20 or #45
	CC5A20	"LA"	LACS5CE	B101CEOL or B102CEOL	65PLUSF20 or #65
	CC5A30	Style	LACS6CE	B101CEOL or B102CEOL	65PLUSF20 or #65
	CC5A40		LACS7DE	B101DEOL or B102DEOL	90PLUSF20 or #90



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