

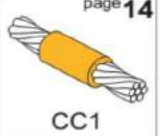

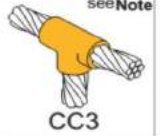

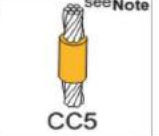
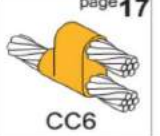

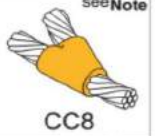





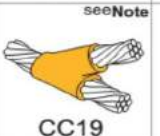
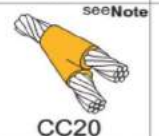


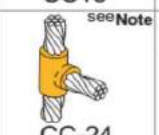



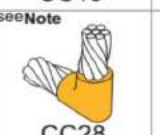
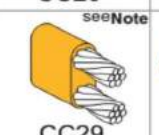
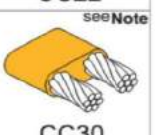
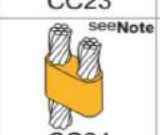



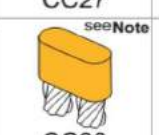





Exothermic Welding









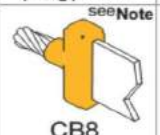



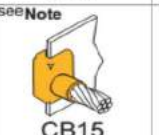
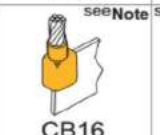


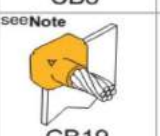
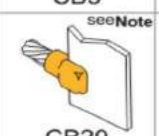
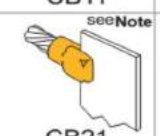
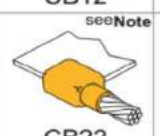
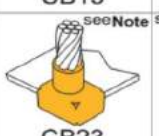

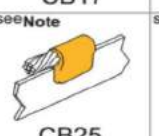









as Foundation of Power Quality and Our Safety



Cable to Cable






























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 page 19 CC11	 page 20 CC13	 page 21 CC14	 seeNote CC17	 seeNote CC18	 seeNote CC19	 seeNote CC20	 seeNote CC22
 seeNote CC23	 seeNote CC-24	 seeNote CC25	 seeNote CC26	 seeNote CC27	 seeNote CC28	 seeNote CC29	 seeNote CC30
 seeNote CC31	 seeNote CC33	 page 22 CC34	 seeNote CC35	 seeNote CC36	 seeNote CC37	 seeNote CC38	 seeNote CC39

Cable to Bus Bar


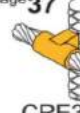
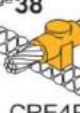



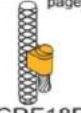


 page 23 (Lug) CB1	 page 24 CB1	 seeNote CB2	 seeNote CB3	 page 25 CB4	 page 26 CB5	 seeNote CB6	 seeNote CB7
 seeNote CB8	 seeNote CB9	 seeNote CB11	 seeNote CB12	 seeNote CB15	 seeNote CB16	 seeNote CB17	 seeNote CB18
 seeNote CB19	 seeNote CB20	 seeNote CB21	 seeNote CB22	 seeNote CB23	 seeNote CB24	 seeNote CB25	 seeNote CB26
 seeNote CB27	 seeNote CB28	 page 27 CB29	 seeNote CB30	 seeNote CB31	 seeNote CB32	 page 28 CB34	 seeNote CB38

Selection Chart


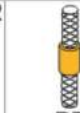
Cable to Ground Rod

 CR1 page 29	 CR2 page 30	 CR3 page 31	 CR5 seeNote	 CR-6 seeNote	 CR7 seeNote	 CR8 seeNote	 CR9 seeNote
 CR12 seeNote	 CR13 seeNote	 CR14 seeNote	 CR15 seeNote	 CR16 seeNote	 CR17 page 32	 CR18 seeNote	 CR19 seeNote
 CR20 seeNote	 CR21 seeNote	 CR22 seeNote	 CR23 seeNote	 CR24 page 33	 CR25 page 34	 CR26 seeNote	 CR27 seeNote
 CR29 seeNote	 CR30 seeNote	 CR31 seeNote	 CR32 seeNote	 CR33 page 35			

















Cable to Rebar (Partially Wrapped)

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 CRE5P seeNote	 CRE6P page 39	 CRE17P page 40
 CRE18P page 41	 CRE19P page 42	 CRE20P page 43

Rebar to Rebar
















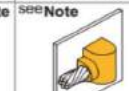



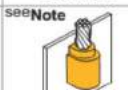









 RE1 page 92	 RE2 page 93
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Cable to Rebar (Fully Wrapped)

 CRE1 page 44	 CRE2 page 45	 CRE6 page 46	 CRE7 seeNote
 CRE8 seeNote	 CRE9 seeNote	 CRE11 seeNote	 CRE12 seeNote
 CRE13 seeNote	 CRE14 seeNote	 CRE15 seeNote	 CRE16 seeNote
 CRE17 page 47	 CRE18 page 48	 CRE19 page 49	 CRE20 page 50

Selection Chart

Cable to Steel







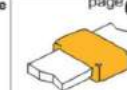












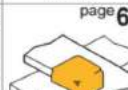

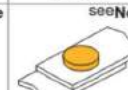
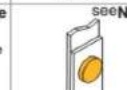

 page 51 CS1F	 page 52 CS2F	 page 53 45° CS3F	 page 54 CS4F	 seeNote CS5NC	 page 55 CS6F	 page 56 CS7N	 page 57 CS8N
 page 58 CS9N	 seeNote CS11NC	 seeNote 45° CS12N	 seeNote 45° CS13N	 seeNote 45° CS14N	 seeNote 45° CS15N	 seeNote CS16	 seeNote CS18N
 seeNote CS21NC	 seeNote CS22	 page 59 CS23F	 seeNote CS24F	 page 60 CS25N	 seeNote CS26N	 page 61 CS27N	 seeNote 45° CS28FC
 seeNote CS29N	 seeNote CS30NC	 seeNote CS31F	 seeNote CS42FC	 seeNote CS43FC			

Note : CSn | None
C | Cast iron
N = On surface
F = Off surface

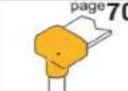



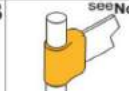


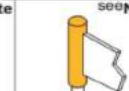
Cable to Pipe



Bus Bar to Bus Bar

 page 63 BB1	 page 64 BB2	 page 65 BB3	 seeNote BB4	 seeNote BB5	 seeNote BB6	 page 66 BB7	 seeNote BB8
 seeNote BB11	 seeNote BB12	 page 67 BB14	 seeNote BB17	 seeNote BB20	 seeNote BB21	 seeNote BB22	 seeNote BB27
 seeNote BB28	 seeNote BB29	 page 68 BB40	 page 69 BB41	 seeNote BB43	 seeNote BB44	 seeNote BB45	 seeNote BB46

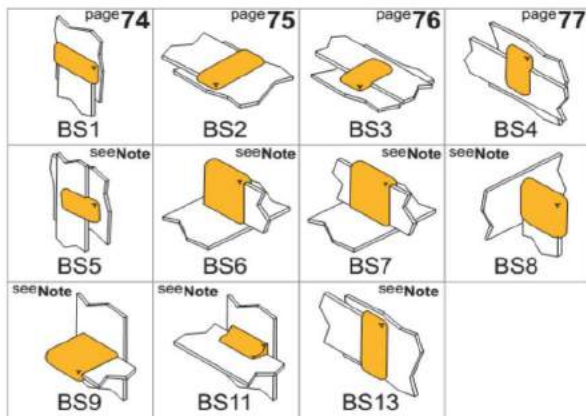
Bus Bar to Ground Rod

 page 70 BR1	 page 71 BR2	 page 72 BR4	 page 73 BR7	 seeNote BR8	 seeNote BR9	 seeNote BR11	 seeNote BR12
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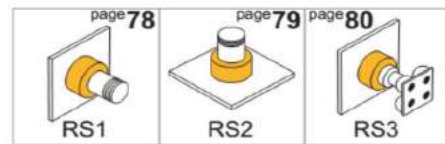
Selection Chart

CGR = Cable to Grounding Receptacle
 CGRG = Cable & Grounding Receptacle to Ground Rod

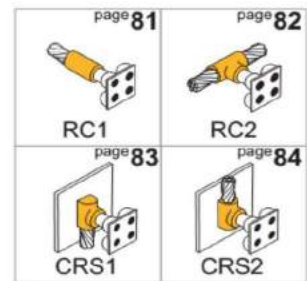
Bus Bar to Steel



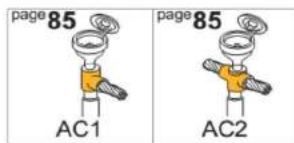
Copper or Steel Stud to Steel



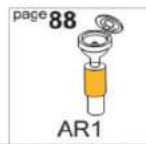
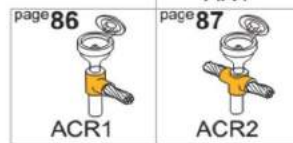
Ground Plates to Cable & Steel



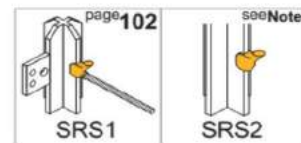
CGR



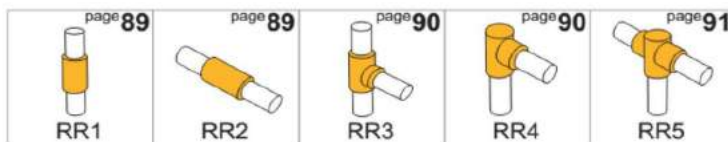
CGRG



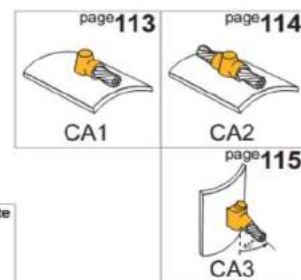
Steel Cable to Steel Rod



Ground Rod to Ground Rod



Cathodic Protection



Railway Application

