Splice/Dead-end Shunt

Weight: 0.00kg
Dimensions: 0.00cm x 0.00cm x 0.00cm

Description

The **Splice Shunt** is designed to restore up to 100% electrical conductivity and a portion of the mechanical strength to the compression splices that are found to be excessively hot or failing during thermal line inspections.

Features

- Rods are sub-setted into groups for ease of application
- Rods are made of high strength, high conductivity, aluminum alloy
- Center section is “cabled” tightly to pass over a splice or around a dead-end/terminal assembly
- Conductive grit on inner surface of rods assure electrical contact with cleaned conductor surface.
- Thermal Rating (Continuous) - 125°C ACSR, AAC, AAAC and 250°C ACSS, ACCR
- Installs by hand or with hot sticks
- Lightweight
- Installs directly over compression splices or compression dead-ends
- Restores conductivity to all-aluminum, aluminum alloy and ACSR conductors

Documentation

Application Procedures

SP-2734 (Splice/Dead-end Shunt)

SP-3185-1 Dead-end Shunt with Dead-end (Single Configuration)

Catalog Pages

Splice/Dead-end Shunt - Catalog

Sales Materials

Splice/Dead-end Shunt - Sell Sheet

Reports & Manuals

Transmission Line Repair Manual

Part Tables

Transmission Splice Shunts							
PLP Catalog Number	Conductor Range (mm)	Nominal Conductor Size	Wire Size	Length (mm)	Splice Length (mm)	Color Code	EHV
SDES-0001	0.701 - 0.729 (17.80 - 18.51)	397.5 19 str AAC	0.250	108 (2743)	20 (508)	Green	
SDES-0002	0.730 - 0.760 (18.52 - 19.31)	336.4 30/7 ACSR	0.250	123 (3124)	30 (762)	Black	
SDES-0003	0.761 - 0.792 (19.32 - 20.11)	397.5 kcmil 26/7 ACSR	0.250	125 (3175)	30 (762)	Purple	
SDES-0004	0.793 - 0.825 (20.14 - 20.95)	477 kcmil 18/1 ACSR	0.250	122 (3098)	30 (762)	Red	
SDES-0005	0.826 - 0.850 (20.98 - 21.59)	477 kcmil 24/7 ACSR	0.250	138 (3505)	30 (762)	Black	
SDES-0006	0.851 - 0.886 (21.61 - 22.50)	477 kcmil 26/7 ACSR	0.250	138 (3505)	32 (812)	Black	
SDES-0007	0.887 - 0.929 (22.52 - 23.59)	556.5 kcmil 26/7 ACSR	0.310	145 (3683)	32 (812)	Orange	
SDES-0008	0.918 - 0.968 (23.31 - 24.58)	605 kcmil 24/7 ACSR	0.310	148 (3759)	32 (812)	White	
SDES-0009	0.969 - 1.008 (24.61 - 25.60)	636 kcmil 26/7 ACSR	0.310	151 (3835)	34 (863)	Yellow	
SDES-0010	1.009 - 1.050 (25.62 - 26.67)	795 kcmil 36/1 ACSR	0.365	168 (4267)	34 (863)	Green	
SDES-0011	1.051 - 1.091 (26.69 - 27.71)	795 kcmil 45/7 ACSR	0.365	187 (4749)	34 (863)	Black	
SDES-0012	1.092 - 1.136 (27.73 - 28.85)	795 kcmil 26/7 ACSR	0.365	183 (4648)	40 (1016)	Green	Y
SDES-0013	1.137 - 1.183 (28.87 - 30.04)	954 kcmil 45/7 ACSR	0.365	187 (4749)	40 (1016)	Red	Y
SDES-0014	1.184 - 1.232 (30.07 - 31.29)	1033.5 kcmil 45/7 ACSR	0.436	216 (5486)	42 (1066)	Blue	Y
SDES-0015	1.233 - 1.299 (31.31 - 32.99)	1033.5 kcmil 54/7 ACSR	0.436	218 (5537)	42 (1066)	Green	Y
SDES-0016	1.300 - 1.353 (33.02 - 34.36)	1192 kcmil 45/7 ACSR	0.436	220 (5588)	45 (1143)	Yellow	Y
SDES-0017	1.382 - 1.387 (35.10 - 35.22)	1272 kcmil 54/19 ACSR	0.436	237 (6019)	45 (1143)	Brown	Y
SDES-0018	1.410 - 1.467 (35.81 - 37.26)	1600 AAAC	0.436	219 (5562)	45 (1143)	Yellow	Y
SDES-0019	1.468 - 1.528 (37.28 - 38.81)	1510.5 kcmil 54/19 ACSR	0.436	228 (5791)	45 (1143)	White	Y
SDES-0020	1.504 - 1.545 (38.20 - 39.24)	1590 kcmil 45/7 ACSR	0.365	226 (5740)	45 (1143)	White	Y
SDES-0021	1.592 - 1.657 (40.43 - 42.54)	1780 kcmil 84/19 ACSR	0.468	261 (6620)	45 (1143)	Purple	Y
SDES-0022	1.740 - 1.810 (44.19 - 45.97)	2156 kcmil 84/19 ACSR	0.365	250 (6350)	45 (1143)	Purple	Y
SDES-0023	1.811 - 1.870 (45.99 - 47.49)	2492 kcmil 54/37 ACAR	0.496	280 (7112)	45 (1143)	Purple	Y

NOTES:

- Special Shunts can be designed and produced for longer splice lengths (contact PLP for details)
- For larger conductors special Dead-end Shunts can be produced with a shorter length for applications to the jumper loop (contact PLP for details)
- It is possible to create a Dead-end Shunt Assembly with an additional formed-wire dead-end applied over the shunt and connected to the dead end hardware to provide a portion of the mechanical strength, of the compression dead-end (contact PLP for details)

Videos