

# RTL-115-XXX

Spacer—Product Overview

**Hendrix**<sup>®</sup>  
AERIAL CABLE SYSTEMS



## Description

- ◆ Designed for 115kV transmission voltage, the RTL-115-XXX is a three phase spacer used in Hendrix Spacer Cable Systems.
- ◆ Mounted on a messenger wire, the RTL-115-XXX will support and separate the messenger and phase cables.
- ◆ The RTL-115-XXX includes a metal suspension clamp that fastens on the messenger and is a pivot point to allow the spacer to hang vertically.
- ◆ The RTL-115-XXX uses clamps with thermoplastic inserts to secure the conductor.
- ◆ Hendrix spacer insulators are molded using a proprietary gray track resistant and UV resistant high density polyethylene material.

## Benefits

- ◆ Provides high strength and flexibility under dynamic loading.
- ◆ Metal clamp for secure fastening to the messenger.
- ◆ Polyethylene cable clamp inserts for Optimum dielectric compatibility with Hendrix Spacer Cable.
- ◆ Excellent weather washing characteristics.
- ◆ Long leakage distance resists flashovers.
- ◆ Highly resistant to shock/impact/rifle fire.
- ◆ Molded from proprietary gray track resistant and UV resistant high density polyethylene material.

## Application

- ◆ Use the RTL-115-XXX in three phase transmission systems rated up to and including 115kV, phase to phase.
- ◆ Mount spacers at 50 foot intervals.
- ◆ The spacer is secured to the messenger by tightening the metal suspension clamp bolt.
- ◆ Fasten the conductors with the clamps.
- ◆ The cable clamp inserts vary with cable size to provide secure connection and reduce stresses. The size of the inserts is chosen from the table 1.1.

# RTL-115-XXX

Technical Specifications

### Electrical Values

Minimum Leakage Distance (in):	109
Maximum System Voltage (kV):	115
Critical Impulse Flashover, Positive (kV)*:	763
Critical Impulse Flashover, Negative (kV)*:	753
Power Frequency Flashover, Dry (kV)*:	468
Power Frequency Flashover, Wet (kV)*:	407

\*All testing performed line to ground on a spacer insulator with bare wire.

### Dimensions

Max. Messenger Size (in):	1"
Max. Conductor Size (in):	2.1"
Overall Dimensions (in):	92.7x78.1x7.7

### Other

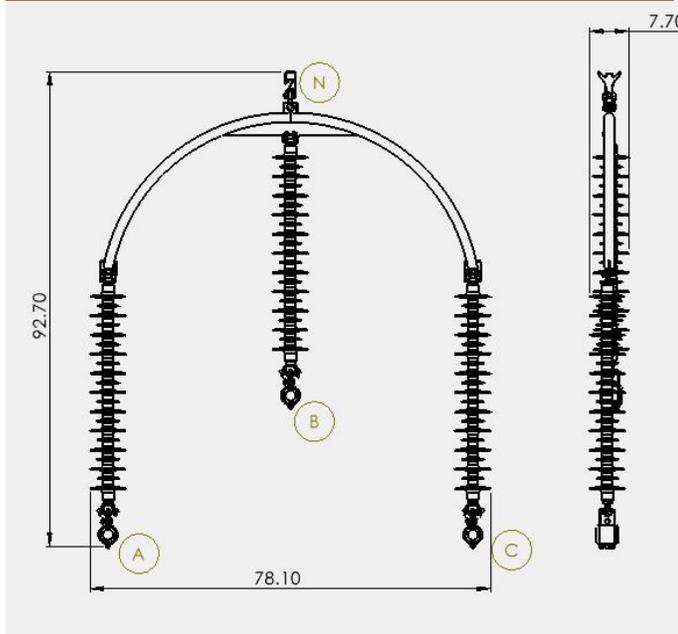
Weight (lbs):	87
Material:	See Below

### Cable and insert size reference table:

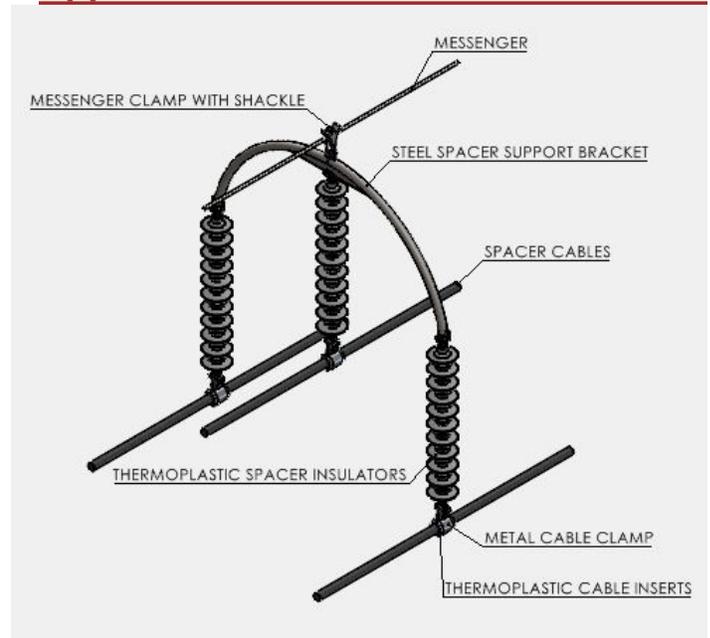
Catalog #	Cable Size (KCM)	TIHV Insert Size
RTL-115-477	477	TIHV-477
RTL-115-556	556	TIHV-556
RTL-115-636	636	TIHV-636
RTL-115-795	795	TIHV-795
RTL-115-954	954 </td <td>TIHV-954</td>	TIHV-954

Table 1.1

### Dimensions



### Application



### Phase Spacing (in)

AB	AC	AN	BN
45	71.3	88	64.5