

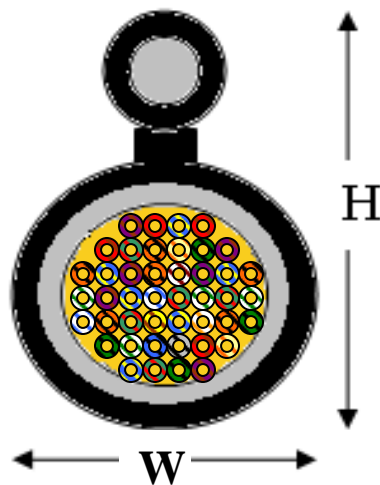


## FIGURE 8 AIR CORE CABLE RDUP (RUS) PE-38 AL



Pairs/Gauge	Product number for Shield Options	Approx. Wgt. #/1000 Ft.	Nom. OD (Inches)	Length (Feet)
	Coated Alum	Coated Alum	H x W (pic. below)	
6/19	2012020	235	0.96 x 0.49	5000
12/19	2012021	335	1.09 x 0.62	5000
18/19	2012022	396	1.18 x 0.71	5000
25/19	2012023	485	1.28 x 0.81	5000
50/19	2012024	771	1.58 x 1.11	2500
6/22	2012010	245	0.87 x 0.40	2500
12/22	2012011	275	0.96 x 0.49	5000
18/22	2012012	297	1.04 x 0.57	5000
25/22	2012000	355	1.08 x 0.61	5000
50/22	2012001	480	1.28 x 0.81	5000
100/22	2012002	775	1.57 x 1.10	2500
200/22	2012003	1305	1.95 x 1.48	2500
6/24	2012015	230	0.84 x 0.37	5000
12/24	2012016	255	0.90 x 0.43	5000
25/24	2012004	300	1.01 x 0.54	5000
50/24	2012005	395	1.14 x 0.67	5000
75/24	2012018	468	1.25 x 0.78	5000
100/24	2012006	550	1.37 x 0.90	5000
200/24	2012007	910	1.65 x 1.18	2500
300/24	2012008	1250	1.94 x 1.40	2500

Note: Larger sizes are available on special request



### FIGURE 8 SHEATH

<b>Aluminum Shield</b>
Corrugated, copolymer coated, 0.008" Al tape applied longitudinally with an overlap
<b>Support Messenger</b>
A ¼", 7 strand, extra high strength galvanized steel wire, fully flooded for corrosion protection
<b>Jacket</b>
Black, linear low density polyethylene is jacketed in an integral extrusion with the shielded core and support messenger to form a "Figure 8" configuration

Data subject to change without notice.  
Contact your Customer Service Representative for latest information.



### CORE CONSTRUCTION

<b>Conductors</b>
Solid annealed copper; sizes 19, 22 & 24 AWG
<b>Insulation</b>
Solid, high density polyethylene, color-coded in accordance with telephone industry standards
<b>Twisted Pairs</b>
Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk
<b>Core Assembly</b>
25 pairs and less; pairs are assembled together in a single group More than 25 pairs; pairs are arranged in groups, each group having a color-coded unit binder
<b>Core Wrap</b>
Non hygroscopic dielectric tape applied longitudinally with an overlap

### APPLICATION(S)

-Intended for aerial installation

### COMPLIANCE

-Formerly RUS (REA) PE-38  
-RoHS Compliant (effective 1/1/10)

### PACKAGING

-Standard lengths are shipped on non-returnable wood reels  
-Non-standard packaging is available upon request.

### TEMPERATURE RATING

-Storage and operation temperature range  
-45°C to 80°C-> -49°F to 176°F  
-Installation temperature range  
-30°C to 60°C-> -22°F to 140°F

### ELECTRICAL CHARACTERISTICS

	19 AWG	22 AWG	24 AWG
DC Conductor Resistance: [max.] Ohms/1000 Ft. @ 68°F	8.7	17.4	27.5
DC Resistance Unbalance: [max.]			
Average Cable Percent	1.5	1.5	1.5
Individual Pair Percent	4.0	4.0	5.0
Attenuation at 772 kHz: [nom.] dB/mile	16.8	23.6	29.8
1 kHz Mutual Capacitance: [avg.]			
6 and 12 pairs		83 +/- 7 nF/mile	
Over 12 pairs		83 +/- 4 nF/mile	
1 kHz Capacitance Unbal. [max.] Pair-to-Pair:			
6 Pairs		100 pF/1000 Ft.	
Over 6 Pairs (rms average)		25 pF/1000 Ft.	
Pair-to-Ground:			
All pair Counts (individual)		800 pF/1000 Ft.	
Over 6 Pairs (avg. 19 & 22 AWG)		150 pF/1000 Ft.	
Over 6 Pairs (24 AWG)		175 pF/1000 Ft.	

Other Performance Characteristics: All additional electrical and physical characteristics either meet or exceed those specified in RDUP Specification PE-38.

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