



## AIR CORE CABLE RDUP (RUS) PE-22 AL



	Product number for Shield Options	Approx. Wgt. #/1000 Ft		
Pairs/Gauge	Coated Alum	Coated Alum	Nom. OD (Inches)	Length (Feet)
6/19	7527757	102	0.47	5000
12/19	7527765	168	0.61	5000
18/19	7527773	255	0.69	5000
25/19	7527781	310	0.78	5000
50/19	7527799	580	1.02	2500
100/19	7527815	1150	1.40	2500
200/19	7527831	2190	1.90	1250
300/19	7527849	3224	2.30	1250
6/22	7527005	65	0.40	5000
12/22	7527013	102	0.48	5000
25/22	7527021	174	0.58	5000
50/22	7527039	308	0.76	5000
100/22	7527054	570	1.00	2500
150/22	7527369	920	1.24	2500
200/22	7527062	1100	1.38	2500
300/22	7527070	1740	1.59	1250
400/22	7527088	2270	1.85	1250
6/24	7527112	51	0.34	5000
12/24	7527120	74	0.42	5000
18/24	7527385	105	0.45	5000
25/24	7527138	122	0.52	5000
50/24	7527146	209	0.63	5000
75/24	7527153	315	0.73	5000
100/24	7527161	385	0.82	5000
150/24	7527179	595	1.01	5000
200/24	7527187	720	1.09	2500
300/24	7527195	1060	1.31	2500
400/24	7527203	1375	1.48	2500
600/24	7527211	2070	1.82	1250
900/24	7527229	3045	2.14	1250
1200/24	7527237	4135	2.47	1000
25/26	7527260	160	0.46	5000
50/26	7527252	100	0.54	5000
100/26	7527286	275	0.70	5000
200/26	7527302	500	0.92	5000
300/26	7527310	720	1.06	2500
400/26	7527328	930	1.22	2500

Note: Larger sizes are available on special request

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 and 26 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

**SHEATH**

<b>Aluminum Shield</b>
Corrugated, copolymer coated, 0.008" Al tape applied longitudinally with an overlap
<b>Jacket</b>
Black, linear low density polyethylene

**APPLICATION(S)**

- For aerial installation by attachment to a support strand
- For underground installation when placed in a duct (pressurization is recommended)

**COMPLIANCE**

- ANSI/ICEA S-85-625-2007
- Formerly RUS (REA) PE-22
- 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	26 AWG
DC Conductor Resistance: [max.] Ohms/1000 Ft. @ 68°F	8.7	17.4	27.5	44.0
DC Resistance Unbalance: [max.]				
Average Cable Percent	1.5	1.5	1.5	2.0
Individual Pair Percent	4.0	4.0	5.0	5.0
Attenuation at 772 kHz: [nom.] dB/mile	16.8	23.6	29.8	36.3
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 12 Pairs (rms average)	25 pF/1000 Ft.			
Pair-to-Ground:				
All pair Counts (individual)	800 pF/1000 Ft.			
Over 12 Pairs (avg. 19 & 22 AWG)	150 pF/1000 Ft.			
Over 12 Pairs (avg. 24 & 26 AWG)	175 pF/1000 Ft.			

Other Performance Characteristics: All additional electrical and physical characteristics either meet or exceed those specified in RDUP Specification PE-22.

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