



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

Conductors
Solid annealed copper; sizes 19, 22, 24 and 26 AWG
Insulation
Solid, high density polyethylene, color-coded in accordance with telephone industry standards
Twisted Pairs
Insulated conductors are twisted into pairs with varying lay lengths to minimize crosstalk
Core Assembly
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
Core Wrap
Non hygroscopic dielectric tape applied longitudinally with an overlap

SHEATH

Aluminum Shield
Corrugated, copolymer coated, 0.008" Al tape applied longitudinally with an overlap
Jacket
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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