



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	229	0.96 x 0.49	5000
12/19	2012021	324	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	234	0.87 x 0.40	2500
12/22	2012011	259	0.96 x 0.49	5000
18/22	2012012	297	1.04 x 0.57	5000
25/22	2012000	339	1.08 x 0.61	5000
50/22	2012001	466	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	221	0.84 x 0.37	5000
12/24	2012016	242	0.90 x 0.43	5000
25/24	2012004	280	1.01 x 0.54	5000
50/24	2012005	377	1.14 x 0.67	5000
75/24	2012018	468	1.25 x 0.78	5000
100/24	2012006	535	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

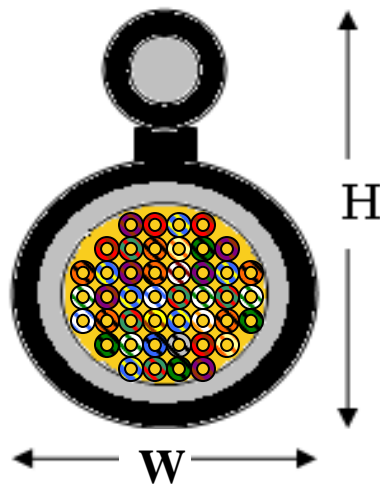


FIGURE 8 SHEATH

Aluminum Shield
Corrugated, copolymer coated, 0.008" Al tape applied longitudinally with an overlap
Support Messenger
A 1/4", 7 strand, extra high strength galvanized steel wire, fully flooded for corrosion protection
Jacket
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

Conductors
Solid annealed copper; sizes 19, 22 & 24 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

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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