



## FILLED SOLID CABLE RDUP (RUS) PE- 39

Pairs/ Gauge	Product Numbers			
	Coated Aluminum	Bare Copper	Copper Bearing	CACSP
6/19	7524507	7525009	7528755	7529647
12/19	7524515	7525017	7528763	7529654
18/19	7524846	7528508	7528771	7529662
25/19	7524523	7525025	7528789	7529670
50/19	7524531	7525033	7528797	7529688
75/19	7524853	7528516	7528805	7529696
100/19	7524549	7525041	7528813	7529704
6/22	7524556	7525058	7528003	7529746
12/22	7524564	7525066	7528011	7529753
18/22	7524895	7528565	7528029	7529761
25/22	7524572	7525074	7528037	7529779
50/22	7524580	7525082	7528045	7529787
75/22	7524903	7528573	7528052	7529795
100/22	7524598	7525090	7528060	7529803
150/22	7524911	7528581	7528078	7529811
200/22	7524606	7525108	7528086	7529829
300/22	7524929	7528599	7528094	7529837
400/22	7524937	7528607	7528854	7529845
6/24	7524614	7525116	7528102	7529878
12/24	7524622	7525124	7528110	7529886
25/24	7524648	7525140	7528136	7529902
50/24	7524655	7525157	7528144	7529910
75/24	7524663	7525165	7528151	7529928
100/24	7524671	7525173	7528169	7529936
150/24	7524689	7525181	7528177	7529944
200/24	7524697	7525199	7528185	7529951
300/24	7524705	7525207	7528193	7529969
400/24	7524713	7525215	7528201	7529977
600/24	7524721	7525223	7528219	7529985
900/24	7524739	7525231	7528227	7529993
1200/24	7524960	7528631	7528235	7530009

Data subject to change without notice.  
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Pairs/ Gauge	Nom. OD Inches				Approximate Weight in #/1000 Feet				Length (Feet)
	Coated Alum	Cu	Copper Bearing	CACSP	Coated Alum	Cu	Copper Bearing	CACSP	
6/19	0.532	0.522	0.524	0.586	140	160	155	200	5000
12/19	0.712	0.712	0.712	0.754	250	270	265	325	5000
18/19	0.814	0.814	0.814	-	395	420	425	440	5000
25/19	0.932	0.932	0.932	0.982	450	480	475	560	5000
50/19	1.222	1.222	1.222	1.272	930	850	845	1473	2500
75/19	1.482	-	1.484	-	1395	1440	1455	1485	2500
100/19	1.668	1.668	1.668	1.72	1730	1785	1805	1835	2500
6/22	0.452	0.452	0.444	0.484	90	100	101	135	5000
12/22	0.522	0.522	0.524	0.574	137	150	150	190	5000
18/22	0.604	0.604	0.604	0.644	220	235	240	250	5000
25/22	0.692	0.692	0.694	0.742	245	265	260	315	5000
50/22	0.902	0.892	0.892	0.932	425	450	445	545	5000
75/22	1.042	1.042	1.042	1.122	725	640	630	780	5000
100/22	1.152	1.152	1.152	1.232	765	805	795	970	2500
150/22	1.412	1.412	1.412	-	1270	1175	1170	1345	2500
200/22	1.586	1.586	1.586	1.666	1465	1515	1505	1805	2500
300/22	1.918	1.908	1.918	1.958	2400	2215	2485	2520	1250
400/22	2.148	2.138	2.138	-	3175	3245	3270	3315	1250
6/24	0.382	0.382	0.374	0.434	68	80	80	105	5000
12/24	0.472	0.482	0.484	0.484	105	115	115	150	5000
25/24	0.572	0.572	0.574	0.624	170	185	180	235	5000
50/24	0.732	0.742	0.752	0.814	285	305	300	375	5000
75/24	0.892	0.902	0.892	0.932	415	440	435	510	5000
100/24	0.992	0.982	0.992	1.042	525	555	550	645	5000
150/24	1.152	1.152	1.152	1.202	745	775	775	915	5000
200/24	1.292	1.292	1.292	1.342	960	995	985	1185	2500
300/24	1.526	1.526	1.526	1.566	1380	1425	1410	1700	2500
400/24	1.742	1.742	1.742	1.802	1810	1870	1855	2195	2500
600/24	2.150	2.150	2.150	-	2750	2810	2805	3185	1250
900/24	2.554	2.554	2.554	-	4010	4050	4050	4560	1250
1200/24	2.978	2.978	2.978	-	5400	5480	5495	6005	1000

Note: Larger sizes are available on special request

### SHEATH OPTIONS

<b>A 1. Aluminum Shield</b> Corrugated 0.008" Al tape applied longitudinally with an overlap The sheath interfaces are flooded with an adhesive water-blocking compound	<b>A 3. Copper-bearing Shield</b> Corrugated, copper bearing gopher-resistant tape applied longitudinally with an overlap The sheath interfaces are flooded with an adhesive water-blocking compound
<b>A 2. Copper Shield</b> Corrugated 0.005" copper tape applied longitudinally with an overlap The sheath interfaces are flooded with an adhesive water-blocking compound	<b>A 4. CACSP</b> Corrugated 0.006" steel tape applied over a corrugated 0.008" aluminum tape.

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### CORE CONSTRUCTION

<b>Conductors</b>
Solid annealed copper; sizes 19, 22 and 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 1200 pairs and larger are mirror image color code.
<b>Filling Compound</b>
The core assembly is filled with ETPR compound, filling the interstices between the pairs and under the core tape
<b>Core Wrap</b>
Dielectric tape applied longitudinally with an overlap
<b>Jacket</b>
Black, linear low density polyethylene

### APPLICATION(S)

-Intended for duct and direct buried installations where protection against water and moisture entry is required and may also be installed aerially

### COMPLIANCE

-RDUP 7 CFR 1755.390 (RUS PE-39)  
-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/mile. @ 68°F	45.0	91.0	144.0
DC Resistance Unbalance: [max.]			
Cable Average Percent	1.5	1.5	2.0
Individual Pair Percent	5.0	5.0	5.0
Attenuation at 772 kHz: [nom.] dB/kFt	2.8	4.0	5.0
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:			
Over 12 pairs (rms average)	25 pF/1000 Ft.		
All pairs	80 pF/1000 Ft.		
Pair-to-Ground:			
Over 12 pairs (cable average)	175 pF/1000 Ft.		
Individual pair	800 pF/1000 Ft.		

All additional electrical and physical characteristics either meet or exceed those specified in RDUP RUS PE-39

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