



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.
Contact your Customer Service Representative for latest information.



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

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

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CORE CONSTRUCTION

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