



FOAM SKIN INSULATED FILLED TELEPHONE CABLE RDUP (RUS) PE-89 AL AND CACSP

Pairs/ Gauge	Product Numbers for Shield Options		Approx. Wgt. #/1000 Ft		Nom. OD (Inches)		Length (Feet)
	Coated Alum	CACSP	Coated Alum	CACSP	Coated Alum	CACSP	
6/19	7525504	7526502	140	180	0.52	0.57	5000
12/19	7525512	7526510	215	270	0.65	0.68	5000
25/19	7525538	7526528	395	465	0.82	0.85	5000
6/22	7525595	7526551	85	120	0.41	0.46	5000
12/22	7525603	7526569	125	170	0.50	0.55	5000
25/22	7525629	7526577	205	265	0.60	0.66	5000
50/22	7525637	7526585	365	440	0.78	0.85	5000
75/22	7525645	7526593	590	650	0.90	0.94	5000
100/22	7525652	7526601	665	765	1.02	1.07	2500
150/22	7525660	7071574	1070	1145	1.23	1.28	2500
200/22	7525678	7526619	1255	1380	1.36	1.41	2500
300/22	7525686	7526627	1830	1985	1.64	1.67	1250
400/22	7525694	7526635	2580	2715	1.89	1.96	1250
6/24	7525751	7071608	65	95	0.37	0.41	5000
12/24	7525769	7526668	95	125	0.42	0.46	5000
25/24	7525785	7526684	145	190	0.53	0.57	5000
50/24	7525793	7526692	240	300	0.64	0.68	5000
75/24	7525801	7526700	380	425	0.77	0.82	5000
100/24	7525819	7526718	435	510	0.83	0.88	5000
150/24	7525827	7526726	635	735	1.00	1.04	5000
200/24	7525835	7526734	795	900	1.08	1.13	2500
300/24	7525843	7526742	1145	1265	1.28	1.32	2500
400/24	7525850	7526759	1510	1655	1.47	1.52	2500
600/24	7525868	7526767	2260	2435	1.79	1.82	1250
900/24	7525876	7526775	3390	3585	2.16	2.20	1250
1200/24	7526973	7071616	4430	4635	2.47	2.52	1000
1500/24	7526981	-	5500	-	2.73	-	1000
1800/24	7526999	-	6660	-	3.03	-	1000
25/26	7525884	-	120	-	0.44	-	5000
50/26	7525892	-	200	-	0.57	-	5000
100/26	7525918	-	350	-	0.77	-	5000
200/26	7525934	-	615	-	0.96	-	5000
300/26	7525942	-	925	-	1.15	-	2500
400/26	7525959	-	1130	-	1.26	-	2500
600/26	7525967	-	1590	-	1.49	-	1250

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
Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, 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 entire core assembly is completely filled with ETPR compound, filling the interstices between the pairs and under the core tape
Core Wrap
Non hygroscopic dielectric tape applied longitudinally with an overlap

APPLICATION(S)
-Intended for duct and direct buried installations where protection against water and moisture entry is required and may also be installed aerially -The addition of the steel tape armor provides increased mechanical protection and gopher resistance
COMPLIANCE
-RDUP 7 CFR 1755.890 (RUS PE-89) -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

Sheath option: Aluminum Shield
Corrugated, copolymer-coated, 0.008" Al tape applied longitudinally with an overlap The sheath interfaces are flooded with an adhesive water blocking compound
Jacket (common to both sheath options)
Black, linear low density polyethylene

Sheath option: CACSP
Corrugated, copolymer-coated, 0.008" Al tape and 0.006" steel tape applied longitudinally over the aluminum tape with an overlap The sheath interfaces are flooded with an adhesive water blocking compound

ELECTRICAL CHARACTERISTICS

	19 AWG	22 AWG	24 AWG	26 AWG
DC Conductor Resistance: [max.] Ohms/mile. @ 68°F	45	91	144	232
DC Resistance Unbalance: [max.] Average Cable Percent	1.5	1.5	1.5	1.5
Individual Pair Percent	5.0	5.0	5.0	5.0
Attn at 772 kHz: [nom.] dB/kft	3.2	4.5	5.6	7.1
1 kHz Mutual Capacitance: 6 and 12 pairs (avg: max)	83 +/- 7 nF/mile : 94 nF/mile			
Over 12 pairs (avg: max)	83 +/- 4 nF/mile : 92 nF/mile			
1 kHz Capacitance Unbal. [max.] Pair-to-Pair: individual	80 pF/1000 Ft.			
rms average: > 12 pairs	25 pF/1000 Ft.			
Pair-to-Ground: Over 13 Pairs	175 pF/1000 Ft. avg.			
All pair Counts	800 pF/1000 Ft.			

All additional electrical and physical characteristics either meet or exceed those specified in RDUP RUS PE-89

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