



FILLED FOAM SKIN "S" SCREENED ASP CABLE BELL SYSTEM TYPES KNAW AND KNMW

Pairs/Gauge	Cable Code	Product Number Alum/Steel	Approx. Wgt. #/1000 Ft Alum/ Steel	Nom. OD (Inches)	Length (Feet)
28/22	KNAW-28	7528250	321	0.74	9000
54/22	KNAW-54	7528268	510	0.92	9000
106/24	KNAW-106	7528276	860	1.20	6000
158/24	KNAW-158	7528284	1209	1.40	4500
210/24	KNAW-210	7528292	1550	1.50	3000
314/24	KNAW-314	7528300	2220	1.80	3000
418/24	KNAW-418	7528318	3145	2.10	2000
616/24	KNAW-616	7528326	4140	2.40	1500
28/24	KNMW-28	2039061	222	0.62	9000
54/26	KNMW-54	2039062	344	0.75	9000
106/26	KNMW-106	2039063	547	0.96	6000
210/26	KNMW-210	2039064	1002	1.30	4500

Note: Larger sizes are available on special request

ASP SHEATH

A. Aluminum Shield
Corrugated 0.008" Aluminum tape applied longitudinally
B. Steel Shield
Corrugated, copolymer coated 0.006" steel tape applied longitudinally over the Al tape with an overlap The sheath interfaces are flooded with an adhesive water-blocking compound
C. Outer Jacket
Black, linear low density polyethylene jacket

Data subject to change without notice.
Contact your Customer Service Representative for latest information.



CORE CONSTRUCTION

Conductors
Solid annealed copper; sizes 22 and 24 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
Twisted pairs are assembled into 12, 13 and 25 pair units , or into 50 pair multi-units Service pair units of 4 to 18 pairs are assembled for inclusion into the cable
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 pressurized urban underground duct installation
- Designed for large pair-count subscriber-serving cables leaving Central Offices where duct congestion is a prime concern

COMPLIANCE

- Telecordia (Bellcore) Specification GR-421-CORE
- 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

"S" Screen
Each half of the cable core is separated from the other by use of a 0.004" plastic-coated aluminum screen which divides the core into two electrically isolated compartments

ELECTRICAL CHARACTERISTICS

	22 AWG	24 AWG
DC Conductor Resistance: [max.] Ohms/mile @ 20°C		
Individual Conductor	91.0	144.0
DC Resistance Unbalance: [max.]		
Cable Average Percent	1.5	1.5
Individual Pair Percent	5.0	5.0
Attenuation at 772 kHz: [nom.] dB/kft @ 20°C	4.5	5.6
1 kHz Mutual Capacitance: [avg.]		
Average: >12 pair	83 ± 4 nF/mile	
1 kHz Capacitance Unbal. [max.] Pair-to-Pair:		
rms average >12 pairs	25 pF/1000 Ft.	
individual	80 pF/1000 Ft.	
Pair-to-Ground:		
Cable average > 13 pairs	175 pF/1000 Ft.	
Individual pair	800 pF/1000 Ft.	
Power Sum NEXT[Worst Pair] dB/1000ft		
772 kHz	42	42
1 600 kHz	38	38

All additional electrical and physical characteristics either meet or exceed those specified in Bellcore Specification GR-421-CORE.

**Data subject to change without notice.
Contact your Customer Service Representative for latest information.**

