



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

	Cable	Product	Approx. Wgt.	Nom. OD	Length
Pairs/Gauge	Code	Alum/Steel	Alum/ Steel	(Inches)	(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

<b>A. Aluminum Shield</b>
Corrugated 0.008" Aluminum tape applied longitudinally
<b>B. Steel Shield</b>
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
<b>C. Outer Jacket</b>
Black, linear low density polyethylene jacket

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



**CORE CONSTRUCTION**

<b>Conductors</b>
Solid annealed copper; sizes 22 and 24 AWG
<b>Insulation</b>
Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid polyolefin skin, 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>
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
<b>Filling Compound</b>
The entire core assembly is completely filled with ETPR compound , filling the interstices between the pairs and under the core tape
<b>Core Wrap</b>
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

<b>"S" Screen</b>
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.

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