



## I. Exchange Cables

# Filled Foam Skin ALPETH Cable

**REA/RUS  
PE-89  
62.89.01**

### DESCRIPTION:

**CONDUCTORS:**  
Solid, annealed copper wires, in 26, 24, 22 AND 19 AWG.

**INSULATION:**  
Expanded polyethylene (Foam Skin) with an external layer of solid, high-density polyethylene in distinctive colors, conforming to telephone industry standards.

**PAIRS:**  
Insulated conductors are twisted together to form pairs, with different twist lay lengths to minimize capacitance unbalance and cross-talk.

**CORE ASSEMBLY:**  
In cables with 25 pairs or less, the pairs are laid forming a cylindrical shape. For larger cables, units of 25 pairs or superunits of 50 or 100 pairs are assembled to form the final core. The core is filled with ETPR (80° C) compound. Then covered with a non-hygroscopic tape with an overlap. A filling compound is applied over the wrap.

All units and superunits are identified with color coded, non-hygroscopic, non-wicking binders. In order to have a rounder shape and better electrical performance, all units and super-units are divided into 12 and 13 pairs sub-units.

**SHIELD:**  
Corrugated, copolymer coated, 8-mil thick aluminum tape applied longitudinally with an overlap. The coating reduces the risk of shield corrosion. A flooding compound with adhesive properties is applied over the shield.

**JACKET:**  
Black, linear, low-density, high molecular weight polyethylene. Sequential footage (or meter) markings are printed on the jacket at 2 foot (or 1 m) intervals.



### APPLICATION:

Outside plant telephony or underground installation.

### REFERENCE SPECIFICATIONS:

Meets REA/RUS PE-89  
ANSI/ICEA S-84-608-1994.  
Standard for Telecommunications Cable Filled, Polyolefin Insulated, Copper Conductor.  
Telecordia (Bellcore) equivalent: AN\_A

### CERTIFICATION:

ISO-9001 Quality Assurance System

### PACKAGING:

Packaged on wooden reels with a thermal wrap applied over the cable. The reels are also lagged for additional protection.



## 26 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626081	25	0.55	14.0	137	205	4920	1500
626082	50	0.59	15.0	228	340	4920	1500
626083	75	0.77	19.5	302	450	4920	1500
626084	100	0.89	22.5	369	550	4920	1500
626086	200	1.08	27.5	650	970	4920	1500
626087	300	1.30	33.0	925	1380	4920	1500
626088	400	1.46	37.0	1153	1720	3280	100
626089	600	1.69	43.0	1686	2515	1640	500
626090	900	1.93	49.0	2411	3640	1640	500
626091	1200	2.30	58.5	3239	4830	985	300
626093	1800	3.00	76.0	4764	7105	655	200
626095	2400	3.19	81.0	6246	9315	655	200

## 24 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626101	6	0.45	11.5	70	105	4920	1500
626102	12	0.51	13.0	107	160	4920	1500
626103	18	0.59	15.0	144	215	4920	1500
626104	25	0.67	17.0	194	290	4920	1500
626105	50	0.77	19.5	302	450	4920	1500
626106	75	0.87	22.0	396	590	4920	1500
626107	100	0.96	24.5	506	755	4920	1500
626109	200	1.20	30.5	949	1415	3280	1000
626110	300	1.54	39.0	1368	2040	3280	1000
626111	400	1.71	43.5	1680	2505	2950	900
626112	600	2.05	52.0	2515	3750	1640	500
626113	900	2.52	64.0	3628	5410	1640	500
626114	1200	2.91	74.0	5123	7460	655	200

## 22 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626120	6	0.47	12.0	87	130	4920	1500
626121	12	0.59	15.0	137	205	4920	1500
626122	18	0.67	17.0	211	315	4920	1500
626123	25	0.81	20.5	302	450	4920	1500
626124	50	0.94	24.0	453	675	4920	1500
626125	75	1.14	29.0	644	960	4920	1500
626126	100	1.22	31.0	771	1150	4920	1500
626128	200	1.65	42.0	1482	2210	3280	1000
626129	300	1.91	48.5	2106	3140	1640	500
626130	400	2.03	51.5	2602	3880	1640	500
626131	600	2.62	66.5	4090	6100	985	300
626132	900	3.15	80.0	6025	8985	655	200

## 19 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626136	6	0.59	15.0	141	210	4920	1500
626137	12	0.71	18.0	231	345	4920	1500
626138	18	0.81	20.5	308	460	4920	1500
626139	25	0.91	23.0	409	610	4920	1500
626140	50	1.16	29.5	744	1110	3280	1000
626141	75	1.32	33.5	1063	1585	3280	1000
626143	100	1.50	38.0	1368	2040	1640	500
626144	200	2.01	51.0	2635	3930	1640	500
626145	300	2.36	60.0	3856	5750	985	300

Note: Values shown are nominal, subject to manufacturing tolerances.  
Special lengths are available upon request.