



## I. Exchange Cables

# Aircore ALPETH Cable

**REA/RUS  
PE-22  
62.22.01**

### DESCRIPTION:

#### CONDUCTORS:

Solid, annealed copper wires, in 26, 24  
22 and 19 AWG

#### INSULATION:

Solid, high-density polyethylene or polypropylene 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 crosstalk.

#### 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. 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 superunits 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.

#### 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, aerial or underground installation when placed in duct.

### REFERENCE SPECIFICATIONS:

Meets REA/RUS PE-22  
ANSI/ICEA S-85-625-1996  
Standard for Telecommunications Cable Air Core, Polyolefin Insulated,  
Copper Conductor.  
Telecordia (Bellcore) equivalent: BHA

### 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
626001	12	0.45	11.5	72	106	4920	1500
626002	18	0.47	12.0	87	130	4920	1500
626003	25	0.51	13.0	106	158	4920	1500
626004	50	0.63	16.0	167	248	4920	1500
626005	75	0.71	18.0	224	334	4920	1500
626006	100	0.77	19.5	280	418	4920	1500
626007	150	0.89	22.5	405	604	4920	1500
626008	200	1.01	25.5	529	789	3940	1200
626009	300	1.14	29.0	749	1113	3940	1200
626010	400	1.39	33.0	968	1443	3940	1200
626011	600	1.54	39.3	1405	2095	2950	900
626012	900	1.85	47.0	2055	3065	1970	600
626013	1200	2.13	54.0	2692	4014	1310	400
626014	1500	2.34	59.5	3319	4949	985	300
626015	1800	2.56	65.0	3964	5912	985	300
626016	2100	2.74	69.5	4579	6828	985	300
626017	2400	2.93	74.5	5206	7763	985	300

## 24 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626025	6	0.39	10.0	62	93	4920	1500
626026	12	0.47	12.0	81	121	4920	1500
626027	18	0.51	13.0	107	160	4920	1500
626028	25	0.55	14.0	133	199	4920	1500
626029	50	0.71	18.0	225	336	4920	1500
626030	75	0.81	20.5	314	468	4920	1500
626031	100	0.87	22.0	396	591	4920	1500
626032	150	1.04	26.5	596	889	3940	1200
626033	200	1.18	30.0	767	1144	3940	1200
626034	300	1.40	35.5	1114	16961	3940	1200
626035	400	1.57	40.0	1447	2158	2950	900
626036	600	1.87	47.5	2120	3162	1970	600
626037	900	2.28	58.0	3153	4702	985	300
626038	1200	2.60	66.0	4120	6145	985	300
626039	1500	2.85	72.5	5085	7583	985	300
626040	1800	3.11	79.0	6052	9026	655	200

## 22 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626048	6	0.43	11.0	76	114	4920	1500
626049	12	0.52	13.0	115	171	4920	1500
626050	18	0.55	14.0	148	221	4920	1500
626051	25	0.63	16.0	190	284	4920	1500
626052	50	0.79	20.0	329	490	4920	1500
626053	75	0.91	23.0	460	686	4920	1500
626054	100	1.04	26.5	607	905	3940	1200
626055	150	1.22	31.0	895	1335	3940	1200
626056	200	1.38	35.0	1163	1734	3940	1200
626057	300	1.63	41.5	1688	2518	2950	900
626058	400	1.87	47.5	2218	3308	1970	600
626059	600	2.32	59.0	3292	4309	985	300

## 19 AWG

Product Code	Number of Pairs	Nominal OD		Approximate Cable Weight		Standard Length	
		In	mm	Lbs/kft	Kg/km	Ft	m
626065	6	0.55	14.0	125	187	4920	1500
626066	12	0.67	17.0	198	295	4920	1500
626067	18	0.77	19.5	268	400	4920	1500
626068	25	0.85	21.5	347	517	3280	1000
626069	50	1.12	28.5	636	949	3280	1000
626070	75	1.28	32.5	899	1341	3280	1000
626071	100	1.50	38.0	1186	1768	1970	600
626072	150	1.81	46.0	1768	2637	1970	600
626073	200	2.07	52.5	2326	3469	1970	600

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