

# Dual Insulated ALVYN Sheathed Terminating Cable

Terminating Cable for Voice and Digital Transmission • Spec. 4513 • Type CMR

Bell System Type: ABAM (22 AWG) • ABMM (24 AWG)

## Product Construction

### Conductors:

- 22 and 24 AWG solid tinned copper conductors

### Insulation:

- Inner layer of polyethylene covered by an outer layer of flame-retardant PVC
- 22 AWG
  - Primary insulation, nominal O.D. = 0.039"
  - Secondary insulation, nominal O.D. = 0.048"
- 24 AWG
  - Primary insulation, nominal O.D. = 0.032"
  - Secondary insulation, nominal O.D. = 0.039"

### Color Code:

- See Color Code Chart on page 86

### Core Wrap:

- Polyester core wrap

### Shield:

- 0.008" corrugated polymer-coated aluminum bonded to jacket

### Jacket:

- Dark gray flame-retardant PVC
- Sequential footage markings

## Packaging

- 1000' reel (RL)
- Bulk reels are available upon request

## Applications

- Voice
- T1
- Suitable for voice and carrier transmission between the outside plant entrance cables to station protector frames and to carrier equipment bays and for use in riser applications

## Compliances

- REA PE-87
- GTS-8510
- Bellcore Specification TR-TSY-000141
- TIA/EIA 568 B.2 (Category 3)
- UL and c(UL) Type CMR



PRODUCT NUMBER	PAIRS	AWG	O.D. (INCHES)	WEIGHT (LBS/KFT)
7043938	6	22	0.45	80
7043946	12	22	0.50	120
7043953	16	22	0.58	150
7043961	25	22	0.67	230
2110020	28	22	0.74	250
7044001	30	22	0.75	265
7044118	50	22	0.93	410
7043979	75	22	1.10	570
7043987	100	22	1.20	730
7043995	200	22	1.60	1350
2110021	300	22	1.90	1970
2110022	600	22	2.80	2590
2110013	25	24	0.56	150
2110014	50	24	0.74	255
2110015	100	24	1.00	460
2110016	200	24	1.30	860
2110017	300	24	1.50	1240
2110023	400	24	1.80	1750
2110018	600	24	2.20	2440
2110019	900	24	2.70	3190

Data subject to change without notice.

## Electrical Characteristics

	22 AWG 6-600 pr.	24 AWG 25-900 pr.	Frequency	Attenuation dB/100m (max)	NEXT dB
<b>DC Resistance</b> (max) Ohms/1000ft @ 20°C	17.2	27.3	0.772 MHz	2.2	43
			1 MHz	2.6	41
			4 MHz	5.6	32
<b>Insulation Resistance</b> (min) Megohm - 1000 @ 23°C	5000	5000	8 MHz	8.5	28
			10 MHz	9.7	26
<b>Mutual Capacitance</b> (nom) nF/mile @ 1 kHz pF/ft @ 1 kHz	83	83	16 MHz	13.1	23
	16	16			
<b>Characteristic Impedance</b> (nom) Ohms @ 1 MHz	100	100			

