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

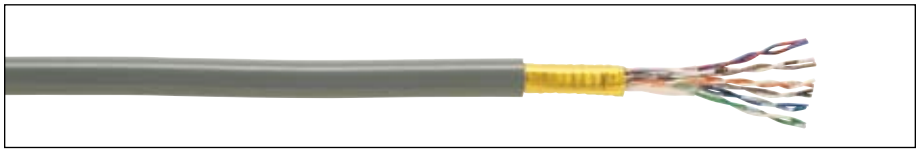
- 1000' reel (RL)
- Bulk reels are available upon request

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



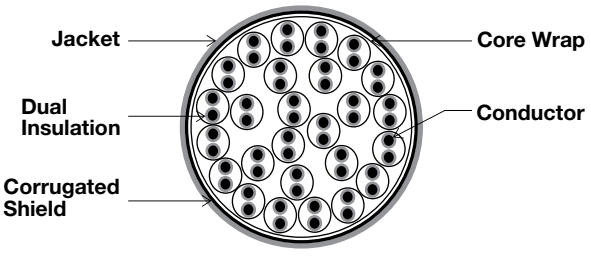
PRODUCT NUMBER	PAIRS	AWG	O.D. (INCHES)	WEIGHT (LBS/KFT)
7043938	6	22	0.45	80
7043946	12	22	0.50	120
7043953	16	22	0.58	150
7043961	25	22	0.67	230
2110020	28	22	0.74	250
7044001	30	22	0.75	265
7044118	50	22	0.93	410
7043979	75	22	1.10	570
7043987	100	22	1.20	730
7043995	200	22	1.60	1350
2110021	300	22	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.
DC Resistance (max) Ohms/1000ft @ 20°C	17.2	27.3
Insulation Resistance (min) Megohm - 1000 @ 23°C	5000	5000
Mutual Capacitance (nom)		
nF/mile @ 1 kHz	83	83
pF/ft@ 1 kHz	16	16
Characteristic Impedance (nom) Ohms @ 1 MHz	100	100

Frequency	Attenuation dB/100m (max)	NEXT dB
0.772 MHz	2.2	43
1 MHz	2.6	41
4 MHz	5.6	32
8 MHz	8.5	28
10 MHz	9.7	26
16 MHz	13.1	23



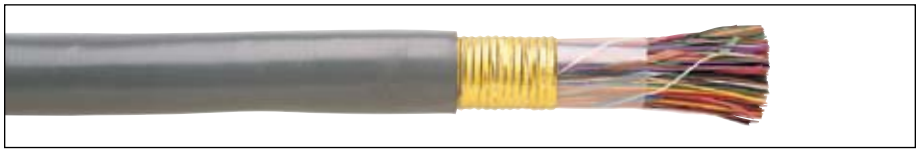
General Cable

TIA/EIA 568B

c UL us LISTED

Foam Skin ALVYN Riser Riser Cable For Voice and Digital Transmission

Spec. 2507 • Type CMR • Bell System Type: ARMM (24 AWG) • ARTM (26 AWG)



PRODUCT NUMBER	PAIRS	AWG	O.D. (INCHES)	WEIGHT (LBS/KFT)	STANDARD LENGTH (FT)
2019000	25	24	0.53	142	5000
2019001	50	24	0.66	234	5000
7507601	100	24	0.85	410	5000
7507619	200	24	1.20	760	2500
7507627	300	24	1.40	1105	2500
7507635	400	24	1.50	1445	2500
7507643	600	24	1.90	2150	1250
7507650	900	24	2.20	3170	1250
7507668	1200	24	2.60	4185	1000
2019005	50	26	0.56	165	5000
2019003	100	26	0.71	280	5000
2019004	200	26	0.92	495	5000
7507544	300	26	1.10	710	3000
7507551	400	26	1.20	930	3000
7507569	600	26	1.50	1365	1000
7507577	900	26	1.80	2025	1000
7507536	1200	26	2.00	2665	1000

Data subject to change without notice.
Note: Non-stock items may be subject to minimum order quantities.

Electrical Characteristics

	24 AWG	26 AWG
DC Resistance (max) Ohms/1000ft @ 20°C	27.3	43.9
Mutual Capacitance (nom) nF/mile @ 1 kHz	83	83

Frequency	Attenuation dB/100m (max)	NEXT dB
0.772 MHz	2.2	43
1 MHz	2.6	41
4 MHz	5.6	32
8 MHz	8.5	28
10 MHz	9.7	26
16 MHz	13.1	23

Product Construction

Conductors:

- 24 and 26 AWG solid bare annealed copper

Insulation:

- Dual insulation consisting of an inner layer of foamed polyolefin surrounded by a solid PVC skin
- 24 AWG
  - Primary insulation, nominal O.D. = 0.031"
  - Secondary insulation, nominal O.D. = 0.035"
- 26 AWG
  - Primary insulation, nominal O.D. = 0.023"
  - Secondary insulation, nominal O.D. = 0.027"

Color Code:

- See Color Code Chart on page 86, except no bandmarking, only solid colors

Core Wrap:

- Non-hygroscopic dielectric tape applied longitudinally with an overlap

Shield:

- 0.008" corrugated, adhesive-coated aluminum bonded to jacket

Jacket:

- Gray flame-retardant PVC jacket bonded to the coated aluminum

Packaging

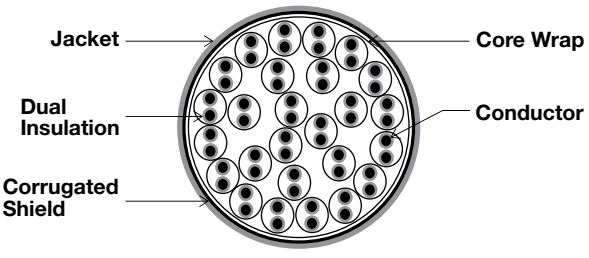
- Standard lengths are shipped on returnable steel reels or on non-returnable wood reels when requested
- ARAM (22 AWG) is available upon request

Applications

- Intended primarily for placement in vertical risers in buildings and may be used in general horizontal applications
- Designed for voice and carrier transmission between the station protector frames and other equipment terminals

Compliances

- TIA/EIA 568 B.2 (Category 3 for 24 AWG only)
- Bellcore Specification TR-TSY-000111
- UL and c(UL) Type CMR



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TIA/EIA 568B

General Cable