

INSTRUMENTATION CABLE

VNTC® Multiple Pairs
Individual & Overall Shield
90C -600 Volt -UL Type TC



CONSTRUCTION	
Conductor	- Annealed Bare Copper - 7 Strands Class B
Insulation	- Polyvinyl Chloride (PVC) & Nylon - Black & White numbered pairs
Pair Drain Wire	- 7 Strand Tinned Copper
Individual Shield	- Foil Free Edged Aluminum Mylar Tape -100% coverage
Drain Wire	- 7 Strand Tinned Copper
Overall Shield	- Aluminum Mylar Tape -100% coverage
Jacket	- Black Sunlight- and Oil-resistant Polyvinyl Chloride (PVC)

Applications:

- Refer to NEC (NFPA 70) article 1277 for installation guidelines
- Cable is suitable for use in Class I Division II hazardous locations
- Individual conductors pass UL VW-1 flame test, rated THHN/THWN/VW-1
- UL approved for Direct Burial

Standards:

- UL listed as Type TC-ER per UL Standard 1277 for tray cables
- Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- Meets ICEA S-73-532, where applicable
- All materials used in the manufacture

Part #	AWG	Pairs	Insulation Thickness	Jacket Thickness	Nom. O.D.	Lbs./M'
L41802	18	2	.015"	.045"	.373"	82
L41803	18	3	.015"	.045"	.435"	105
L41804	18	4	.015"	.045"	.445"	135
L41806	18	6	.015"	.060"	.578"	195
L41808	18	8	.015"	.060"	.599"	246
L41812	18	12	.015"	.060"	.725"	371
L41816	18	16	.015"	.080"	.891"	465
L41820	18	20	.015"	.080"	.912"	559
L41824	18	24	.015"	.080"	1.003"	666
L41836	18	36	.015"	.080"	1.221"	954
L41850	18	50	.015"	.080"	1.411"	1208
L41602	16	2	.015"	.045"	.413"	105
L41603	16	3	.015"	.045"	.493"	139
L41604	16	4	.015"	.060"	.544"	183
L41606	16	6	.015"	.060"	.648"	267
L41608	16	8	.015"	.060"	.708"	328
L41612	16	12	.015"	.080"	.886"	495
L41616	16	16	.015"	.080"	.971"	631
L41620	16	20	.015"	.080"	1.061"	808
L41624	16	24	.015"	.080"	1.136"	908
L41636	16	36	.015"	.080"	1.334"	1313
L41650	16	50	.015"	.080"	1.571"	1784

COLOR CODE CHART

Pairs	Color
1	Black, White & Numbered
2	Black, White & Numbered
3	Black, White & Numbered
4	Black, White & Numbered
5	Black, White & Numbered
6	Black, White & Numbered
7	Black, White & Numbered
8	Black, White & Numbered
9	Black, White & Numbered
10	Black, White & Numbered
11	Black, White & Numbered
12	Black, White & Numbered
13	Black, White & Numbered
14	Black, White & Numbered
15	Black, White & Numbered
16	Black, White & Numbered
17	Black, White & Numbered
18	Black, White & Numbered
19	Black, White & Numbered
20	Black, White & Numbered
21	Black, White & Numbered
22	Black, White & Numbered
23	Black, White & Numbered
24	Black, White & Numbered
25	Black, White & Numbered

Part #	AWG	Pairs	Insulation Thickness	Jacket Thickness	Nom. O.D.	Lbs./M'
L41402	14	2	.015"	.045"	.496"	147
L41404	14	4	.015"	.060"	.616"	267
L41408	14	8	.015"	.060"	.757"	467
L41412	14	12	.015"	.080"	.958"	700
L41416	14	16	.015"	.080"	1.060"	920
L41420	14	20	.015"	.080"	1.150"	1107
L41424	14	24	.015"	.080"	1.291"	1309
L41436	14	36	.015"	.080"	1.494"	1582
L41450	14	50	.015"	.110"	1.774"	2584

*Fittings are available for these products.

Note: The information in this specification sheet is approximate and subject to standard industry and manufacturer tolerances. Please verify specific requirements with your Omni Cable account manager.