VNTC®

PVC/Nylon/PVC, Control, Unshielded
600 V, UL Type TC-ER[1] (18 AWG/16 AWG)—E-2 Color Code

Product Construction:

Conductor:
- 18 AWG and 16 AWG fully annealed stranded bare copper to ASTM B3
- Class B stranding per ASTM B8

Insulation:
- Flame-retardant Polyvinyl Chloride (PVC) with Polyamide (nylon)
- Color-coded per ICEA Method 1, Table E-2 plus alpha-numeric printed numbers (does not include white or green)

Jacket:
- Lead-free, flame-retardant, sunlight-resistant Polyvinyl Chloride (PVC)

Applications:
- In free air, raceways or direct burial
- In wet or dry locations
- Approved for direct burial
- Class I, Division 2 industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors

Features:
- Rated at 90˚C dry, 75˚C wet
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Provides outstanding sunlight, cold bend and cold impact resistance
- Offers the smallest cable O.D. available for suitable applications
- Provides long service life
- Provides good oil and chemical resistance
- Meets cold bend test at -25˚C
- Meets the crush and impact requirements of Type MC cable

Compliances:
Industry Compliances:
- UL 66 NEC Type TFN conductors
- UL 1277 Type TC-ER for 3 or more conductors, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57

Flame Test Compliances:
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- CSA FT4

Other Compliances:
- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable
- RoHS Compliant

Packaging:
- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km
18 AWG CONDUCTORS													
236090	2 Flat	18	7W	0.020	0.51	0.045	1.14	.190 x .285	4.80 x 7.20	10	15	36	54
318050*	2	18	7W	0.020	0.51	0.045	1.14	0.270	6.86	11	19	38	57
245920	3	18	7W	0.020	0.51	0.045	1.14	0.285	7.24	15	23	46	68
236100	4	18	7W	0.020	0.51	0.045	1.14	0.310	7.87	20	30	56	83
244680	5	18	7W	0.020	0.51	0.045	1.14	0.335	8.51	26	38	65	97
244660	7	18	7W	0.020	0.51	0.045	1.14	0.360	9.14	36	53	82	122
264570*	9	18	7W	0.020	0.51	0.045	1.14	0.420	10.67	46	69	105	156
233270*	10	18	7W	0.020	0.51	0.045	1.14	0.425	10.80	51	76	114	170
236120	12	18	7W	0.020	0.51	0.045	1.14	0.445	11.30	61	91	131	195
244720*	15	18	7W	0.020	0.51	0.045	1.14	0.485	12.32	77	114	162	241
236130	19	18	7W	0.020	0.51	0.060	1.52	0.570	14.48	97	144	209	311
236140*	25	18	7W	0.020	0.51	0.060	1.52	0.655	16.64	128	190	266	396
347140*	30	18	7W	0.020	0.51	0.060	1.52	0.695	17.65	154	229	310	461
236150	37	18	7W	0.020	0.51	0.060	1.52	0.745	18.92	189	281	371	552
16 AWG CONDUCTORS													
236160	2 Flat	16	7W	0.020	0.51	0.045	1.14	.200 x .310	5.08 x 7.87	16	24	42	71
245580	2	16	7W	0.020	0.51	0.045	1.14	0.300	7.62	20	29	50	74
236170	3	16	7W	0.020	0.51	0.045	1.14	0.315	8.00	24	36	60	89
236180	4	16	7W	0.020	0.51	0.045	1.14	0.340	8.64	32	48	74	110
236190	5	16	7W	0.020	0.51	0.045	1.14	0.370	9.40	40	60	97	144
236210	7	16	7W	0.020	0.51	0.045	1.14	0.400	10.16	56	84	111	165
243640	9	16	7W	0.020	0.51	0.045	1.14	0.460	11.68	72	108	141	210
236230*	10	16	7W	0.020	0.51	0.045	1.14	0.495	12.57	80	119	154	229
236240	12	16	7W	0.020	0.51	0.045	1.14	0.505	12.83	97	144	178	265
244650*	15	16	7W	0.020	0.51	0.060	1.52	0.605	15.37	121	180	239	356
236260*	19	16	7W	0.020	0.51	0.060	1.52	0.635	16.13	153	228	284	423
236280*	25	16	7W	0.020	0.51	0.060	1.52	0.705	17.91	201	299	364	542
244670*	30	16	7W	0.020	0.51	0.060	1.52	0.760	19.30	242	360	426	634
236290*	37	16	7W	0.020	0.51	0.080	2.03	0.880	22.35	306	455	552	821

Dimensions and weights are nominal; subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.
[1] Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.

General Cable

RoHS Compliant
Directive 2011/65/EU

UL LISTED