

VNTC®

PVC/Nylon/PVC, Control, Unshielded 600 V or 1000 V
UL Type TC-ER¹ (18 AWG/16 AWG)—E-2 Color Code

Product Construction:

Conductor:

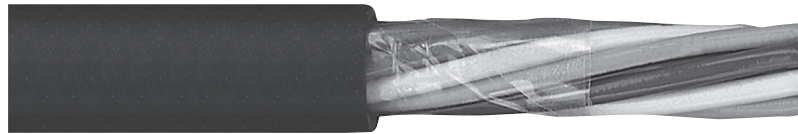
- 18 AWG and 16 AWG fully annealed stranded bare copper to ASTM B3
- Class B stranding per ASTM B8

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, cable tray, raceways or direct burial
- In wet or dry locations
- Permitted for use in 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 wet or dry
- Ripcord applied to all cables with jacket of 60 mils or less
- Meets cold bend test at -25°C
- Type ER versions meets crush and impact requirements of Type MC cables.
- Sunlight- and weather-resistant
- Excellent flame resistance
- Excellent physical, thermal and electrical properties
- Excellent moisture resistance
- Good resistance to abrasion and heat deformation
- Provides good oil and chemical resistance

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	
				IN	mm	IN	mm	IN	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

18 AWG CONDUCTORS

236090	2 Flat	18	7W	0.019	0.48	0.045	1.14	.180 x .270	4.57 x 6.86	10	15	31	47
318050*	2	18	7W	0.019	0.48	0.045	1.14	0.270	6.86	11	16	38	57
245920	3	18	7W	0.019	0.48	0.045	1.14	0.285	7.24	15	23	46	68
236100	4	18	7W	0.019	0.48	0.045	1.14	0.305	7.75	20	30	54	80
244680	5	18	7W	0.019	0.48	0.045	1.14	0.330	8.38	26	38	64	94
244660	7	18	7W	0.019	0.48	0.045	1.14	0.355	9.02	36	53	81	121
264570*	9	18	7W	0.019	0.48	0.045	1.14	0.415	10.54	46	69	107	158
233270*	10	18	7W	0.019	0.48	0.045	1.14	0.425	10.80	51	76	114	170
236120	12	18	7W	0.019	0.48	0.045	1.14	0.460	11.68	61	91	131	195
244720*	15	18	7W	0.019	0.48	0.045	1.14	0.510	12.95	77	114	158	235
236130	19	18	7W	0.019	0.48	0.060	1.52	0.565	14.35	97	145	208	309
236140*	25	18	7W	0.019	0.48	0.060	1.52	0.655	16.64	128	190	266	395
347140*	30	18	7W	0.019	0.48	0.060	1.52	0.695	17.65	154	229	310	461
236150	37	18	7W	0.019	0.48	0.060	1.52	0.735	18.67	189	282	362	539

16 AWG CONDUCTORS

236160	2 Flat	16	7W	0.019	0.48	0.045	1.14	.195 x .290	4.95 x 7.37	16	24	40	59
245580	2	16	7W	0.019	0.48	0.045	1.14	0.290	7.37	16	24	47	69
236170	3	16	7W	0.019	0.48	0.045	1.14	0.305	7.75	24	36	57	85
236180	4	16	7W	0.019	0.48	0.045	1.14	0.335	8.51	33	48	71	105
236190	5	16	7W	0.019	0.48	0.045	1.14	0.360	9.14	41	61	84	125
236210	7	16	7W	0.019	0.48	0.045	1.14	0.395	10.03	57	85	111	165
243640	9	16	7W	0.019	0.48	0.045	1.14	0.455	11.56	73	109	143	213
236230*	10	16	7W	0.019	0.48	0.045	1.14	0.495	12.57	81	121	154	229
236240	12	16	7W	0.019	0.48	0.045	1.14	0.505	12.83	98	145	174	259
244650*	15	16	7W	0.019	0.48	0.060	1.52	0.605	15.37	122	182	229	340
236260	19	16	7W	0.019	0.48	0.060	1.52	0.635	16.13	153	228	284	423
236280	25	16	7W	0.019	0.48	0.060	1.52	0.725	18.42	203	303	362	538
244670*	30	16	7W	0.019	0.48	0.060	1.52	0.760	19.30	242	360	426	634
236290*	37	16	7W	0.019	0.48	0.060	1.52	0.825	20.96	301	448	505	751

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.