VNTC®

PVC/Nylon/PVC, Control, Shielded 600 V
UL Type TC-ER[1], Overall Shielded—E-2 Color Code

Product Construction:

Conductor:
- 18 AWG thru 10 AWG fully annealed stranded bare copper per 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)

Shield:
Overall shielded multi-conductor
- Overall shield is Flexfoil® aluminum/polymer, in contact with stranded tinned copper drain wire

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 1277 Type TC-ER for 3 or more conductors, UL File # E57179
- UL 1581
- UL 66 NEC Type TFN conductors (16 & 18 AWG)
- UL 83 NEC Type THHN/THWN conductors (14 through 10 AWG)
- 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
OVERALL SHIELD - 18 AWG CONDUCTORS													
261130	2	18	7W	0.019	0.48	0.045	1.14	0.270	6.86	12	18	39	58
261140	3	18	7W	0.019	0.48	0.045	1.14	0.285	7.24	17	26	48	71
261150	4	18	7W	0.019	0.48	0.045	1.14	0.315	8.00	22	33	59	88
260000*	5	18	7W	0.019	0.48	0.045	1.14	0.340	8.64	28	41	70	104
259980*	7	18	7W	0.019	0.48	0.045	1.14	0.365	9.27	38	56	87	130
OVERALL SHIELD - 16 AWG CONDUCTORS													
247620	2	16	7W	0.019	0.48	0.045	1.14	0.295	7.49	18	27	48	71
261160	3	16	7W	0.019	0.48	0.045	1.14	0.310	7.87	26	39	60	90
243710	4	16	7W	0.019	0.48	0.045	1.14	0.340	8.64	35	51	76	113
266580*	5	16	7W	0.019	0.48	0.045	1.14	0.370	9.40	43	64	90	134
243740*	7	16	7W	0.019	0.48	0.045	1.14	0.400	10.16	59	88	115	171
243560*	9	16	7W	0.019	0.48	0.045	1.14	0.460	11.68	75	112	143	213
229600*	12	16	7W	0.019	0.48	0.045	1.14	0.515	13.08	100	148	181	270
OVERALL SHIELD - 14 AWG CONDUCTORS													
243660	2	14	7W	0.019	0.48	0.045	1.14	0.325	8.26	28	42	63	93
243720	3	14	7W	0.019	0.48	0.045	1.14	0.345	8.76	41	61	81	121
243650	4	14	7W	0.019	0.48	0.045	1.14	0.375	9.53	54	80	100	149
243570*	5	14	7W	0.019	0.48	0.045	1.14	0.400	10.16	67	104	123	183
243580	7	14	7W	0.019	0.48	0.045	1.14	0.440	11.18	93	142	161	240
OVERALL SHIELD - 12 AWG CONDUCTORS													
243670	2	12	7W	0.019	0.48	0.045	1.14	0.360	9.14	43	64	84	125
243810*	3	12	7W	0.019	0.48	0.045	1.14	0.375	9.53	64	95	107	159
243840	4	12	7W	0.019	0.48	0.045	1.14	0.415	10.54	84	125	137	204
OVERALL SHIELD - 10 AWG CONDUCTORS													
243770*	2	10	7W	0.024	0.61	0.045	1.14	0.425	10.80	67	100	116	172
243820*	3	10	7W	0.024	0.61	0.045	1.14	0.460	11.68	100	149.00	162	241.06
243690*	4	10	7W	0.024	0.61	0.045	1.14	0.500	12.70	133	198	203	302

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.