



Part Number: 27614A

TC VN/PVC, 50 C #18 Str BC, PVC-NYL Ins E2, Blk PVC Jkt, 600V TC 150V
NPLF 90C Dry 75C Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 50 Conductor 18AWG (7x26) Bare Copper, PVC-NYL Insulation E2 Color Code, Black PVC Outer Jacket, 600V TC 150V
NPLF 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	50

Conductor Count:	50
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.088 in

Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red
16	Brown/Red
17	Black/Blue
18	Red/Blue
19	Orange/Blue
20	Yellow/Blue
21	Brown/Blue
22	Black/Orange
23	Red/Orange
24	Blue/Orange
25	Yellow/Orange
26	Brown/Orange

27	Black/Yellow
28	Red/Yellow
29	Blue/Yellow
30	Orange/Yellow
31	Brown/Yellow
32	Black/Brown
33	Red/Brown
34	Blue/Brown
35	Orange/Brown
36	Yellow/Brown
37	Black & Numbered 2
38	Red & Numbered 2
39	Blue & Numbered 2
40	Orange & Numbered 2
41	Yellow & Numbered 2
42	Brown & Numbered 2
43	Red/Black & Numbered 2
44	Blue/Black & Numbered 2
45	Orange/Black & Numbered 2
46	Yellow/Black & Numbered 2
47	Orange/Black & Numbered 2
48	Black/Red & Numbered 2
49	Blue/Red & Numbered 2
50	Orange/Red & Numbered 2

Outer Shield Material

Material

Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.889 in	0.083 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

6.7 Ohm/1000ft

Current

Max. Recommended Current [A]

4.8 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

600 V RMS

150 V RMS

Temperature Range

UL Temp Rating:	75°C Dry, 90°C Wet
Wet Temp Range:	-30°C To +75 °C
Dry Temp Range:	-30°C To +90 °C

Mechanical Characteristics

Bulk Cable Weight:	511 lbs/1000ft
Max Recommended Pulling Tension:	1100 lbs
Min Bend Radius/Minor Axis:	9.1 in

Standards

NEC/(UL) Specification:	NPLF, TC
Other Specification:	ICEA S-73-532, S-95-658, S-61-402

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
Other Flammability:	ICEA Flame Test: T-29-520
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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