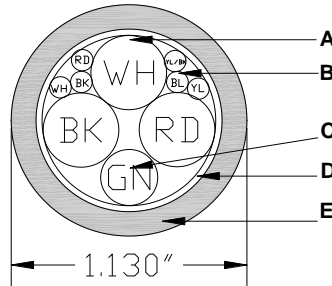


# Cable Engineered by Draka

## 600 Volt, Tray Cable

### PVC/Nylon Insulated Circuit Conductors

### Overall PVC Jacket



#### Components




- A: (3) - #1 AWG Class B stranded, 8000 series, aluminum conductors w/50 mils (1.27 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 7 mils (0.18 mm) nylon applied directly to the surface of the insulation.
- B: (6) - #18 AWG Class K stranded, soft drawn, bare copper conductors w/15 mils (0.38 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 4 mils (0.10 mm) nylon applied directly to the surface of the insulation.
- C: (1) - #6 AWG Class B stranded, 8000 series, aluminum conductor w/30 mils (0.76 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 5 mils (0.13 mm) nylon applied directly to the surface of the insulation
- D: Mylar binder tape.
- E: 80 mils (2.03 mm) of heat and moisture resistant, polyvinyl chloride (PVC) jacket.

#### Print Legend

(UL) E60544 POWER AND CONTROL TRAY CABLE TYPE TC-ER-JP 1 AWG AL (42,4 mm<sup>2</sup>) 3/C + 6 AWG AL (13,3 mm<sup>2</sup>) 1/C GROUND THWN CONDS & 18 AWG (0,82 mm<sup>2</sup>) 6/C TFFN CONDS 600V 75C DRY/75C WET OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL P/N AL1622 "sequential footage print"

#### Physical Characteristics

Cable Weight:	664 lb/mft (988 kg/km)
Copper Weight:	31 lb/mft (46 kg/km)
Aluminum Weight:	267 lb/mft (397 kg/km)
Nominal Cable OD:	1.130 in (28.7 mm)
Conductor Color Code:	1 AWG - Black, White and Red 6 AWG - Green 18 AWG - Black, Red, Yellow, Yellow/Black, Blue and White
Jacket Color:	Orange

R e v	DATE	CHANGE DETAIL	  	<b>Draka Engineered Solutions</b> One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092
0	01/25/19	New Issue		
1	01/31/19	Added PN		
2				
3				
<b>Approvals:</b>		Engineering: _____	Final: _____	
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			<b>Quote Number:</b>	
			<b>File Number:</b>	type tc thhn-pvc 3C1AL 1C6AL 6C18BC 20291664
			<b>Page Number:</b>	Page 1 of 2

**Electrical / Optical Characteristics**

Voltage: 600V

**Specifications**

Conductors: ASTM B 3, ASTM B 174, ASTM B 801

Insulation: ICEA S-95-658 (NEMA WC 70), ICEA S-73-532 (NEMA WC 57), UL 83 for Type THWN wires

Jacket: ICEA S-95-658 (NEMA WC 70), ICEA S-73-532 (NEMA WC 57), UL 1277

**Ratings**

UL THWN 600V

UL Type TC-ER-JP 600V




The insulation is acceptable for use in locations at 75 °C dry and 75 °C wet.

The cable is suitable for use in cable trays, aerial or direct burial installations.

The cable is JP rated for installation in accordance with Part II of Article 334.

**Packaging**

Bulk reels

R e v	DATE	CHANGE DETAIL			  	<b>Draka Engineered Solutions</b> One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092	
	0	01/25/19	New Issue				
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3					Project Name:		
Approvals:		Engineering:		Final:			
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					Page Number:	Page 2 of 2	