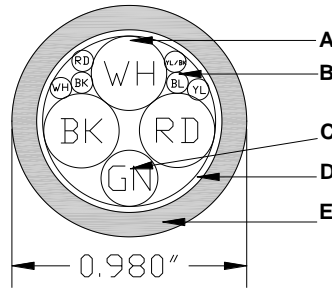


# Cable Engineered by Draka

## 600 Volt, Tray Cable

### PVC/Nylon Insulated Circuit Conductors

### Overall PVC Jacket



#### Components




- A: (3) - #3 AWG Class C stranded, soft drawn, bare copper circuit conductors w/40 mils (1.02 mm) heat and moisture resistant, polyvinyl chloride (PVC) insulation and jacketed w/ 6 mils (0.15 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) - #8 AWG Class C stranded, soft drawn, bare copper grounding 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 3 AWG (26,7 mm<sup>2</sup>) 3/C + 8 AWG (8,37 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 TCER 1722 "sequential footage print"

#### Physical Characteristics

Cable Weight:	900 lb/mft (1339 kg/km)
Copper Weight:	577 lb/mft (859 kg/km)
Nominal Cable OD:	0.980 in (24.9 mm)
Conductor Color Code:	3 AWG - Black, White and Red 8 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: <input type="text"/>	Final: <input type="text"/>	<b>Project Name:</b> <input type="text"/>
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			<b>Quote Number:</b>	NA
			<b>File Number:</b>	type tc thhn-pvc 3C3 1C8 6C18 20291663
			<b>Page Number:</b>	Page 1 of 2

**Electrical / Optical Characteristics**

Voltage: 600V

**Specifications**

Conductors: ASTM B 3, ASTM B 8, ASTM B174

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

<b>R e v</b>	<b>DATE</b>	<b>CHANGE DETAIL</b>			  	<b>Draka Engineered Solutions</b> One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092	
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