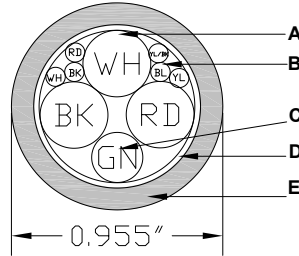


# Cable Engineered by Draka

## 600 Volt, Tray Cable

### PVC/Nylon Insulated Circuit Conductors

### Overall PVC Jacket



#### Components


- A: (3) - #3 AWG Class B stranded, 8000 series, aluminum conductors w/40 mils (1.016 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) - #16 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 3 AWG AL (26,7 mm<sup>2</sup>) 3/C + 6 AWG AL (13,3 mm<sup>2</sup>) 1/C GROUND THWN CONDS & 16 AWG (1,31 mm<sup>2</sup>) 6/C TFFN CONDS 600V 75C DRY/75C WET OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL P/N AL TCERJP0713 "sequential footage print"

#### Physical Characteristics

Cable Weight:	482 lb/mft (717 kg/km)
Copper Weight:	49 lb/mft (73 kg/km)
Aluminum Weight:	172 lb/mft (256 kg/km)
Nominal Cable OD:	0.955 in (24.3 mm)
Conductor Color Code:	3 AWG - Black, White and Red 6 AWG - Green 16 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	11/05/19	New Issue		
1	11/25/19	Added SAP1C P/N		
2				
3				
<b>Approvals:</b> Engineering: <input type="checkbox"/> Final: <input type="checkbox"/>			<b>Project Name:</b>	
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			<b>Quote Number:</b>	Q20319265
			<b>File Number:</b>	type tc thhn-pvc 3C3AL 1C6AL 6C16BC 20320890
			<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

<b>R</b>	<b>e</b>	<b>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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