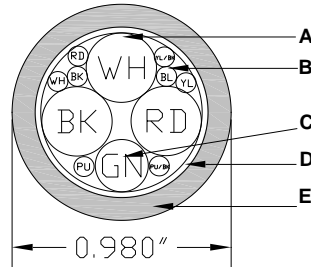


Cable Engineered by Draka

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: (8) - #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. A ripcord shall be placed underneath the jacket.

Print Legend

(UL) E60544 POWER AND CONTROL TRAY CABLE TYPE TC-ER-JP 3 AWG (26,7 mm²) 3/C + 8 AWG (8,37 mm²) 1/C GROUND THWN CONDS & 18 AWG (0,82 mm²) 8/C TFFN CONDS 600V 75C DRY/75C WET OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL TCERDirect P/N TCERJP 1724G+2 "sequential footage print"

Physical Characteristics

Cable Weight:	870 lb/mft (1295 kg/km)
Copper Weight:	587 lb/mft (873 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, White, Purple and Purple/Black
Jacket Color:	medium – dark GREY

R e v	DATE	CHANGE DETAIL	  	Draka Engineered Solutions One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092
0	07/28/20	New Issue		
1	01/29/21	Jacket color changed		
2	01/29/21	Added SAP1C P/N		
3				
Approvals:			Project Name:	
	Engineering:		Final:	
Draka Cableteq USA Inc. reserves the right to modify this information without prior notification and does not make a warranty or representation of any kind, whether implied or expressed with respect to the information contained herein. Draka Cableteq assumes no risks, and will not be liable for direct or indirect, special, incidental or consequential damages, any defect or personal injury resulting from the use of this document. EngDrawing-Rev01-April07			Part Number:	20359315
			Quote Number:	Q20345396
			File Number:	type tc thhn-pvc 3C3 1C8 8C18 TCERDirect 20359315
			Page Number:	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

Bending Radius: 5 x OD

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			  	Draka Engineered Solutions One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092				
	0	07/28/20	New Issue							
	1	01/29/21	Jacket color changed							
	2	01/29/21	Added SAP1C P/N							
3					Project Name:					
Approvals:		Engineering:		Final:						
Draka Cableteq USA Inc. reserves the right to modify this information without prior notification and does not make a warranty or representation of any kind, whether implied or expressed with respect to the information contained herein. Draka Cableteq assumes no risks, and will not be liable for direct or indirect, special, incidental or consequential damages, any defect or personal injury resulting from the use of this document. EngDrawing-Rev01-April07					Part Number:	20359315				
					Quote Number:	Q20345396				
					File Number:	type tc thhn-pvc 3C3 1C8 8C18 TCERDi-rect 20359315				
					Page Number:	Page 2 of 2				