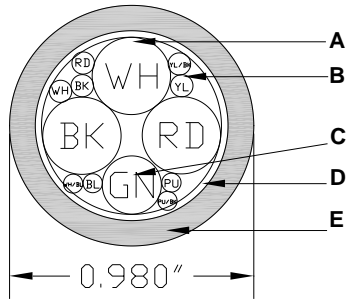


Cable Engineered by Prysmian

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: (9) - #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-PA 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 75C DRY/75C WET & 18 AWG (0,82 mm²) 9/C TFFN CONDS 600V OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL TCERDirect.com PN TCERJP 1724G+2 "sequential footage print"

Physical Characteristics

Cable Weight:	885 lb/mft (1317 kg/km)
Copper Weight:	591 lb/mft (879 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, Purple/Black and White/Blue
Jacket Color:	medium – dark GREY

R e v	DATE	CHANGE DETAIL	Prysmian Group	Prysmian Cables and Systems USA, LLC One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092		
	0	01/23/23				New Issue
	1	02/06/23				Added SAP P/N
	2	02/10/23				Changed Blue wire position
3				Project Name:	TCERDirect	
Approvals:		Engineering:	Final:	Part Number:	20413485	
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				File Number:	type tc thhn-pvc 3C3 1C8 9C18 tcerdirect 20413485	
				Page Number:	Page 1 of 2	
				EngDrawing-Rev06-April 2021		

Electrical / Optical Characteristics

Voltage: 600V

Specifications

Conductors: ASTM B 3, ASTM B 8, ASTM B 174

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

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