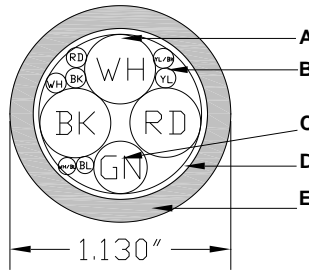


Cable Engineered by Prysmian

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

Print Legend

(UL) E60544-PA POWER AND CONTROL TRAY CABLE TYPE TC-ER-JP 1 AWG AL (42,4 mm²) 3/C + 6 AWG AL (13,3 mm²) 1/C GROUND THWN CONDS 75C DRY/75C WET & 18 AWG (0,82 mm²) 7/C TFFN CONDS 600V OIL RES I SUNLIGHT RESISTANCE DIRECT BURIAL JOIST PULL TCERDirect.com P/N AL TCERJP 1724 "sequential footage print"

Physical Characteristics

Cable Weight:	645 lb/mft (960 kg/km)
Copper Weight:	34 lb/mft (51 kg/km)
Aluminum Weight:	259 lb/mft (385 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, White and White/Blue
Jacket Color:	Orange

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						
Approvals:		Engineering:	Final:	Project Name:	TCERDirect	
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				Quote Number:	7010091270	
				File Number:	type tc thhn-pvc 3C1AL 1C6AL 7C18BC tcerdirect 20413544	
				Page Number:	Page 1 of 2	
				EngDrawing-Rev06-April 2021		

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

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