

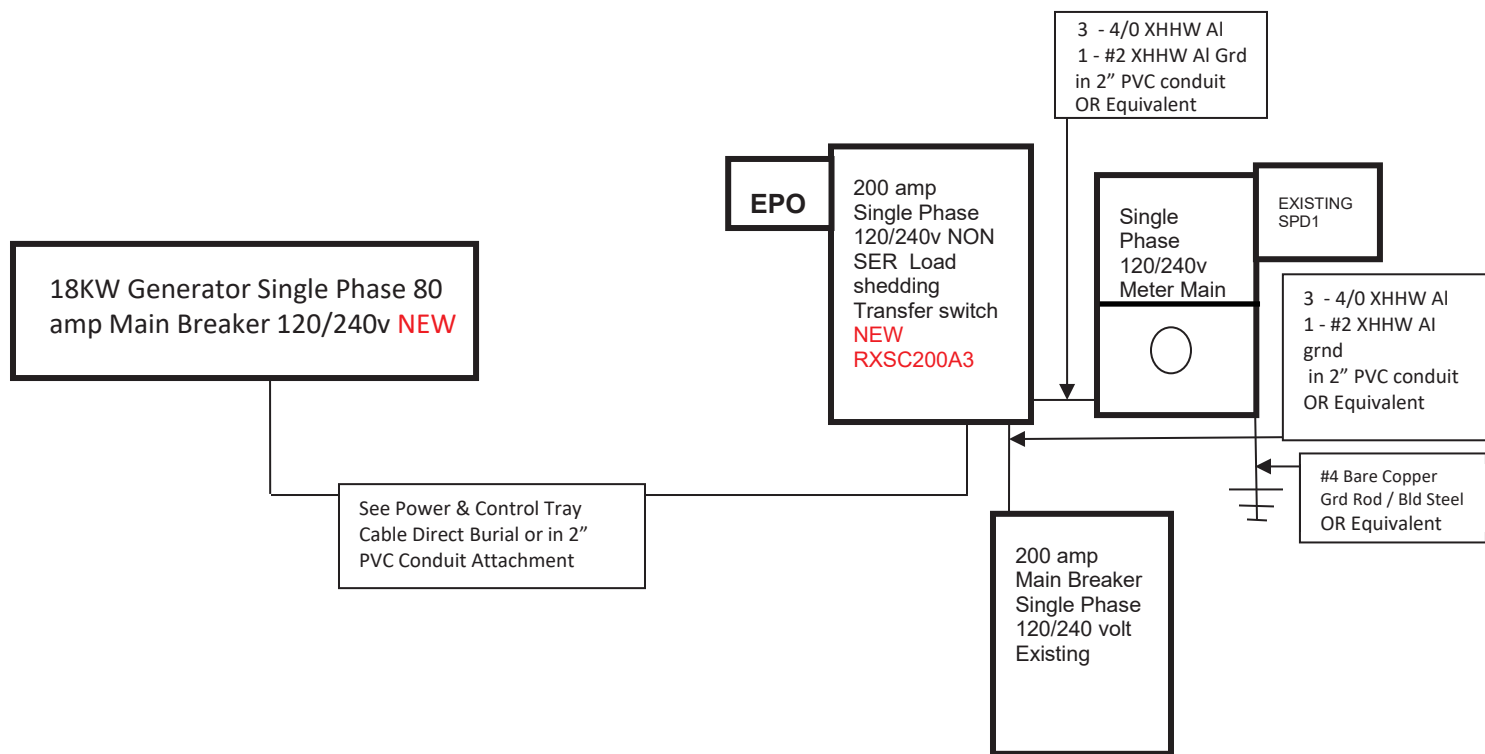


Dale Jarosz EC13009069
611 Charlotte St.
Punta Gorda, FL 33950
(941) 505-1212
August 6, 2025

Customer: James Mathews
2887 Butterfly Jasmine Trl,
Sarasota FL, 34240

A handwritten signature in blue ink that reads "Dale Jarosz".

Electrical Line Diagram NEC 2020

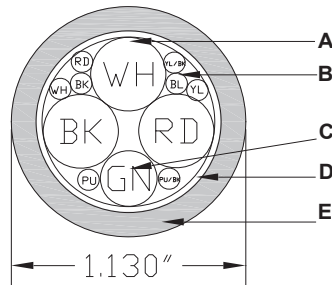


Cable Engineered by Draka

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: (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) - #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 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 & 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 AL TCERJP 1624G+2 "sequential footage print"

Physical Characteristics

Cable Weight:	635 lb/mft (945 kg/km)
Copper Weight:	40 lb/mft (60 kg/km)
Aluminum Weight:	260 lb/mft (387 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, 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: Engineering: Final:			Project Name:			
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			Quote Number:		Q20345934	
			File Number:		type tc thhn-pvc 3C1AL 1C6AL 8C18BC TCERDirect 20359341	
			Page Number:		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

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

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