

Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

**18 AWG 6 conductor (3 pairs)
control tray cable**

WR-PT183

Description: 18 AWG 3 pair 19 strand bare copper with polyvinylchloride and nylon insulation, unshielded with an overall PVC jacket 600V control tray cable, approved for use in SUN RES DIR BUR OIL RES I 90°C applications.

1. Conductor

- 1.1. AWG Size & Stranding: 18 AWG 19 Strands Class C
- 1.2. Material: Annealed Bare Copper
- 1.3. Pair Count: 3 Pairs

2. Insulation

- 2.1. Material: Polyvinylchloride & Nylon
- 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
- 2.3. Color Code: Yellow x Red, Black x White & Blue x Green

3. Assembly

- 3.1. Pair/Cable Lay Length: Per UL Standard 1277
- 3.2. Pair Drain Wire: N/A
- 3.3. Pair Shield: N/A
- 3.4. Fillers: As necessary for circular cross section
- 3.5. Cable Binder: Clear/Mylar wrap binder – 100% coverage
- 3.6. Cable Shield: N/A
- 3.7. Cable Drain Wire: N/A

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.045"
- 4.3. Diameter: 0.394"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -40°C
- 4.7. Weight: 0.086 lbs./ ft.

5. Markings

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: .Rosenberger WR-PT183 18AWG 3PR (UL) TC-ER PVC/NYLON 600V 90°C DRY/WET PVC JACKET SUN RES DIR BUR OIL RES I FT4 "ROHS" MADE IN USA
- 5.3. Footage Markers: Yes

6. Standards

- 6.1. Refer to NEC (NFPA 70) article 336 for installation guidelines
- 6.2. Cable is suitable for use in Class I Division II hazardous locations
- 6.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables
- 6.4. UL approved for Direct Burial, Sunlight and Oil I Resistant applications
- 6.5. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- 6.6. Meets ICEA S-73-532, where applicable
- 6.7. All materials used in the manufacture of this cable are RoHS compliant
- 6.8. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

Corporate Headquarters
Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O. Box 1260 D-84526 Tittmoning Germany
Tel. +49 8684 18-0

Rosenberger Site Solutions, LLC
102 Dupont Drive, Lake Charles, LA 70607
Ph. 337.598.5250 Fax: 337.598.5290
rlss@rlss.us
www.rlss.us

Page 1 of 1