

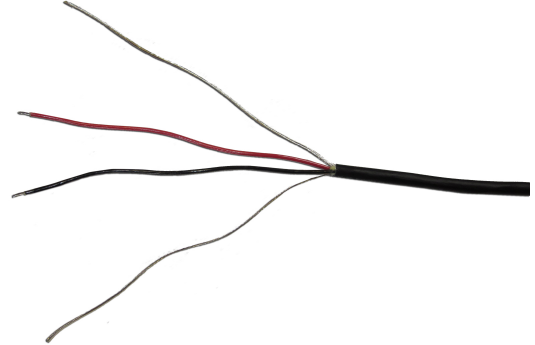
Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

12 AWG 2 Conductor Shielded 600V Power Cable

WR-PT122S

Description: 12 AWG, 2 conductor shielded 600V power tray cable.



1. Conductor

- 1.1 AWG Size & Stranding: 12 AWG, 65 Strands
- 1.2 Material: Annealed Tinned Copper
- 1.3 DC Resistance: 1.68 ohms/1000 ft @ 20°C

2. Insulation

- 2.1 Material: Polyvinylchloride & Nylon per UL Standard 83, Type THHN/THWN/VW-1
- 2.2 Wall Thickness: 0.015" PVC & 0.005" Nylon - The minimum at any point shall not be less than 90% of the specified wall thickness

3. Color Code

- 3.1 Code: Red, Black

4. Assembly

- 4.1 Lay Length: Per UL Standard 1277
- 4.2 Fillers: Non-Hygroscopic Polypropylene - As required for a circular cross-section
- 4.3 Binder: Clear Mylar
- 4.4 Shield: Aluminum/Mylar Tape - 100% coverage
- 4.5 Drain Wire: 16 AWG, 7 Strand Tinned Copper
- 4.6 Shield: 36 AWG Tinned Copper Braid – 65% minimum coverage
- 4.7 Ground: Uninsulated – 12 AWG, 65 Strand Tinned Copper
- 4.8 2ND Binder: Clear Mylar

5. Jacket

- 5.1 Material: Polyvinylchloride per UL Standard 1277
- 5.2 Wall Thickness: 0.045" - The minimum at any point shall not be less than 80% of the specified wall thickness
- 5.3 Diameter: 0.394" (10 mm with tolerance)
- 5.4 Color: Black
- 5.5 Weight: 141 lbs./Mft.
- 5.6 Bending Radius: 4.64"

6. Markings

- 6.1 Type: Cable shall be permanently identified via surface inkjet print
- 6.2 Legend: .Rosenberger: flex 12AWG 2C SHIELDED (UL) TC-ER PVC/NYLON UNINSULATED
GROUND 600V 90°C DRY 75°C WET PVC JACKET SUN RES DIR BUR OIL RES I FT4 "ROHS"

7. Standards

- 7.1 UL listed as Type TC-ER per UL Standard 1277 for tray cables
- 7.2 UL approved for Direct Burial, Sunlight and Oil I Resistant applications
- 7.3 Individual conductors pass UL VW-1 flame test, rated THHN/THWN/VW-1
- 7.4 Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- 7.5 Meets ICEA S-95-658, where applicable
- 7.6 Cold Temperature Rating: -40°C
- 7.7 All materials used in the manufacture of this cable are RoHS compliant

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. 1.866.598.5250 Fax: 337.598.5290
rlss@rlss.us, www.rlss.us

Page 1 of 1