

Technical Specifications		Rosenberger Rosenberger Site Solutions, LLC WR-PT812-CT
8 AWG 12 Conductor Power Cable with Corrugated Copper Tape Shield		
Description: 8 AWG 12 conductor 7 strands bare copper with PVC/Nylon insulation, a corrugated bare copper tape shield with a stranded tinned copper drain wire and an overall PVC jacket 600V control tray cable, approved for use in SUN RES DIR BUR 90°C applications.		
1. Conductor		
1.1. AWG Size & Stranding: 8 AWG 7 Strands Class B		
1.2. Material: Annealed Bare Copper		
1.3. Conductor Count: 12 Conductors		
2. Insulation		
2.1. Material: Polyvinylchloride & Nylon		
2.2. Wall Thickness: 0.030" PVC & 0.006" Nylon		
2.3. Color Code: Black, Black/White, Brown, Brown/White, Red, Red/White, Gray, Gray/White, Blue, Blue/White, Yellow, Yellow/White		
3. Assembly		
3.1. Lay Length: 13.25" LHL (0.91 Tw/ft)		
3.2. Fillers: Non-Hygroscopic Polypropylene - As required for a circular cross-section		
3.3. Binder: Clear Mylar wrap - 100% coverage		
3.4. Drain Wire: 12 AWG 65 Strands Tinned Copper		
3.5. Shield: 0.005" Corrugated Bare Copper Tape - 15% overlap (Nominal)		
4. Jacket		
4.1. Material: Polyvinylchloride		
4.2. Wall Thickness: 0.080"		
4.3. Diameter: 1.203" ± 0.100"		
4.4. Color: Black		
4.5. Ripcord: Yes		
4.6. Cold Bend Rating: -40°C		
4.7. Weight: 1138 lbs/Mft		
5. Markings		
5.1. Type: Cable permanently identified via surface inkjet print		
5.2. Legend: .Rosenberger WR-PT812-CT E351969 8AWG 12C (UL) TC-ER THWN-2/VW-1 600V 90°C DRY/WET CORRUGATED BARE COPPER TAPE SHIELD PVC JACKET SUN RES DIR BUR FT4 "ROHS COMPLIANT" MADE IN USA		
5.3. Footage Markers: Yes		
6. Standards		
6.1. Cable suitable for installation under NEC (NFPA 70) article 336 guidelines		
6.2. Cable is suitable for use in Class I Division 2 hazardous locations		
6.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables		
6.4. UL approved for Direct Burial and Sunlight Resistant applications		
6.5. Individual conductors pass UL VW-1 flame test, rated THWN-2/VW-1		
6.6. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements		
6.7. Cable is RoHS III compliant per Directive 2015/863/EU		
6.8. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated June, 27 2018		
6.9. Made in the USA		
ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION		
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