

OVP End

RRU End



Description

Rosenberger Y-Cable Power Assemblies are used for supplying power between over voltage protection enclosures and remote radio heads in telecommunication applications. This design allows for a single source circuit to be used to supply two separate load inputs. #8AWG power conductors are used throughout the jumper to ensure balanced loading and prevent heating issues.

OVP end cable OD is maintained <.5" enabling installation into standard OVP enclosure weatherproofing glands.

The cable jacket material is sunlight resistant / flame retardant and the fanout junction is IP67 rated, perfect for indoor and outdoor installations.

Available Variants

Part Number	Length
L99-PDJ802-27FT	27ft
L99-PDJ802-35FT	35ft

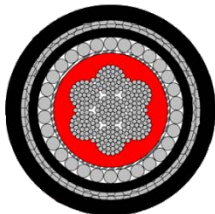
Parts

OVP END: 8AWG TINNED COPPER PVC/N + .0226" WIRES LOW INDUCTANCE TINNED CONDUCTOR + TINNED COPPER BRAIDED SHIELD w/ PVC JACKET

RRU END: Dual 8AWG 2 CONDUCTOR 168 STRAND TINNED COPPER PVC/N + UNINSULATED TINNED COPPER GROUND CONDUCTOR + ALUMINUM MYLAR SHIELD w/ PVC JACKET

Construction

OVP END:



Inner Conductor

8 AWG Tinned Copper
Size: 8 AWG 7x24/0.010 – 16800 Circular Mil Area

Outer Conductor

Annealed Tinned Copper Spiral Wrap Shield
Size: 33/.0226 – 16855 Circular Mil Area

Insulation
Color Code

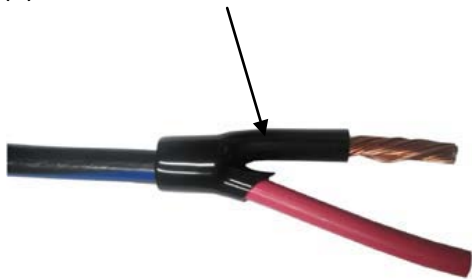
Polyvinylchloride + Nylon
Red (Inner Conductor)
Black (Outer Conductor)

Binder
Shield

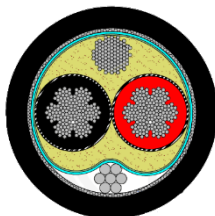
Black PVC – Nominal thickness: 0.020
Inner: Spiral Tinned Copper Shield
Outer: Spiral Tinned Copper Shield

Ripcord
(1) CX0082-IN08 Insulator Kit

No
Included



RRU END:



Conductor

Annealed Tinned Copper
Size: (2) 8 AWG 168 Strands
Polyvinylchloride + Nylon
(1) Black
(1) Red

Insulation
Color Code

Tinned Copper
10 AWG 105 Strand

Ground

Tinned Copper
Size: 12 AWG 7 Strands

Drain Wire

Clear Mylar
Aluminum Mylar – 100% Coverage
Lay Length – 6.50" Left Hand Lay
Yes

Binder
Shield
Twisting
Ripcord

Divider:



Material
Size

Black Polyamide
7.5" x 1.85"

Electrical Data

Conductor Size
Identification
Color Code

8 AWG
Color Coded
(1) Black
(1) Red

Maximum DC Resistance (Single Wire)
Nominal Voltage

.715 Ω /Mft (2.35 Ω /km)
300V

Physical Data

Cable Diameter, Jacket

OVP End: 0.412" nom.
RRU End: 0.601" nom.

Cold Bend Rating

-40°C

Thickness of Outer Jacket

OVP End: 0.030" nom.
RRU End: 0.060" nom.

Weight

L99-PDJ802-27FT (7.78 lbs)
L99-PDJ802-35FT (10.10 lbs)

Length of Divider

7.5" nom.

Diameter of Divider

1.85" nom.

Environmental Data

- Refer to NEC (NFPA 70) article 336 for installation guidelines
- Cable is suitable for use in Class I Division 2 hazardous locations
- UL listed as Type TC-ER per UL Standard 1277 for tray cables
- UL approved for Direct Burial and Sunlight Resistant applications
- Individual conductors pass UL VW-1 flame test, rated THWN-2/VW-1
- Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- Meets ICEA S-95-658, where applicable
- All materials used in the manufacture of this cable are RoHS II & REACH compliant
- Made in the USA