



SGNV CRITICAL CIRCUIT CABLE PLTC

300V



STANDARDS:

Class 2 power limited circuits as per NEC Article 725.
Constructed in accord with the standard for power limited circuit cable, UL 13.
UL listed. Passes IEEE 383 flame test.

Benefits

- Specialty engineered design to provide protection for harsh industrial conditions where the advantages of composite insulation is needed.
- May be installed in wet or dry locations.

Product Features

- 105°C 300V construction
- Extruded premium grade PVC jacket.
- Composite insulation using silicone rubber and an overall colored glass braid and jacketed conductors with polyamid coating.
- Nylon ripcord under the overall cable jacket to ease jacket removal.
- May be installed in wet or dry locations.
- Class I division 2 rated.

COMPONENTS:

- Conductors:** Stranded tin-plated copper per ASTM-B33. Other options available upon request.
- Composite Insulation:** Extruded silicone rubber augmented with an overall colored glass braid and jacketed with a polyamid coating.
- Cable Core:** Conductor components are paired and pairs cabled together with suitable fillers to make round. A suitable binder tape is applied over the cable core.
- Shield:** Overall polyester backed aluminum with drain wire providing 100% shield coverage. The shield overlaps to assure continual coverage during flexing. (Optional) shielded pairs with drain wire.
- Jacket:** Flame retardant PVC passes UL VW-1 Flame Test.
- Interlocked Armor:** (Optional) **Cableclad** Zinc coated galvanized steel or aluminum strip turned and "interlocked" with the preceding turn. Tensile strength not more than 70,000 PSI when tested in compliance with ASTM E-8.
- Outer Jacket:** (Optional) Flame retardant PVC passes UL VW-1 Flame Test.

OPTIONS:

- Cable clad armor, zinc coated galvanized steel or aluminum, turned and "interlocked."
- Flame retardant PVC jacket passes UL VW-1 flame test.

Cable USA, Inc.

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105°C

High Temperature Custom Engineered Cables



SGNV
CRITICAL CIRCUIT CABLE
PLTC

300V

SILICONE RUBBER/GLASS BRAID/POLYAMID COATED INSULATION/PVC JACKET (UNSHIELDED)

#12-20 AWG 105°C 300V

20 AWG 7/28 (.50MM²)

Cable USA P/N	Number of Pairs	Nominal O.D. (Unshielded)		Approx. Wt.	
		Inches	MM	LBS/MFT	KG/KM
192004C3	2	.422	10.72	67	100
192008C3	4	.485	12.32	105	156
192016C3	8	.633	16.08	186	277
192024C3	12	.742	18.85	255	379
192032C3	16	.833	21.16	323	481
192040C3	20	.869	22.07	384	571
192048C3	24	1.008	25.60	474	705
192072C3	36	1.144	28.30	663	987

18 AWG 7/26 (.75MM²)

191804C3	2	.445	11.30	75	112
191808C3	4	.514	13.06	119	177
191816C3	8	.671	17.04	220	327
191824C3	12	.788	20.01	309	460
191832C3	16	.906	23.01	412	613
191840C3	20	.946	24.03	492	732
191848C3	24	1.073	27.25	584	869
191872C3	36	1.220	30.99	829	1233

(UL) Type PLTC — 300V NEC Article 725.

Above pairings are standard. Alternative number of pairs available upon request.

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