



Draka

UVS Metering Cable

ICEA S-73-532 type with PE/PVC insulated conductors / 12, 10 & 9 AWG / PVC jacket / 600 volt



Applications

These multiconductor cables are designed specifically for outdoor metering applications. They are semi-flexible, suitable for AC or DC use in dry or wet locations and can be used as aerial cables, installed in conduit or troughs or they can be directly buried. The PE/PVC insulated conductors have excellent physical and electrical properties; the PVC jacket offers superior oil, chemical and moisture resistance.

Features

1. CONDUCTORS

Class C (19 strand) soft-drawn tinned copper per ASTM B 8 and ASTM B33.

2. INSULATION

Heat and moisture-resistant black polyethylene (PE) meeting ICEA S-73-532 (NEMA WC 57) suitable for wet or dry locations at a temperature not to exceed 75°C.

3. CONDUCTOR JACKET

UV-stabilized polyvinylchloride (PVC) compound meeting ICEA S-73-532 (NEMA WC 57).

4. CIRCUIT IDENTIFICATION

PVC jacket coded in accordance with ICEA S-73-532 Appendix E Method 1.

5. ASSEMBLY

Individual conductors are cabled, with non-hygroscopic fillers where necessary, to form a round compact core and wrapped with a binder. The jacket is applied over the taped core; a ripcord under the jacket aids stripping.

6. JACKET

Heat and moisture resistant black PVC meeting ICEA S-73-532 (NEMA WC 57).

Ratings

ICEA S-73-532 (NEMA WC-57)

ASTM G 23 Type D Weatherometer test (1,440 hours)



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Part Number	Conductor Number	Conductor Size	Stranding	Nominal Insulation/Jacket Thickness		Nominal Overall Jacket Thickness in (mm)	Cable O.D. in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
				PE in (mm)	PVC in (mm)			
UVS12-1	1	12 AWG	19/25	.030 (.76)	.015 (.38)	N/A	.180 (4.6)	28 (42)
UVS12-4	4	12 AWG	19/25	.020 (.51)	.010 (.25)	.045 (1.1)	.490 (12.4)	150 (223)
UVS12-5	5	12 AWG	19/25	.020 (.51)	.010 (.25)	.045 (1.1)	.530 (13.5)	180 (268)
UVS12-7	7	12 AWG	19/25	.020 (.51)	.010 (.25)	.060 (1.5)	.625 (15.9)	257 (382)
UVS12-8	8	12 AWG	19/25	.020 (.51)	.010 (.25)	.060 (1.5)	.660 (16.8)	288 (429)
UVS12-9	9	12 AWG	19/25	.020 (.51)	.010 (.25)	.060 (1.5)	.715 (18.2)	340 (506)
UVS12-10	10	12 AWG	19/25	.020 (.51)	.010 (.25)	.060 (1.5)	.780 (19.8)	363 (540)
UVS12-12	12	12 AWG	19/25	.020 (.51)	.010 (.25)	.060 (1.5)	.810 (20.6)	421 (626)
UVS10-1	1	10 AWG	19/.0234	.030 (.76)	.015 (.38)	N/A	.210 (5.3)	47 (70)
UVS10-5	5	10 AWG	19/.0234	.020 (.51)	.010 (.25)	.060 (1.5)	.645 (16.4)	287 (427)
UVS10-7	7	10 AWG	19/.0234	.020 (.51)	.010 (.25)	.060 (1.5)	.695 (17.7)	371 (552)
UVS10-8	8	10 AWG	19/.0234	.020 (.51)	.010 (.25)	.060 (1.5)	.760 (15.9)	428 (492)
UVS10-9	9	10 AWG	19/.0234	.020 (.51)	.010 (.25)	.060 (1.5)	.825 (21.0)	483 (555)
UVS10-12	12	10 AWG	19/.0234	.020 (.51)	.010 (.25)	.080 (2.0)	.965 (24.5)	666 (991)
UVS9-1	1	9 AWG	19/22	.030 (0.8)	.015 (.38)	N/A	.220 (5.6)	51 (76)
UVS9-5	5	9 AWG	19/22	.020 (.51)	.010 (.25)	.060 (1.5)	.670 (17.0)	322 (479)
UVS9-7	7	9 AWG	19/22	.020 (.51)	.010 (.25)	.060 (1.5)	.730 (18.5)	422 (628)
UVS9-8	8	9 AWG	19/22	.020 (.51)	.010 (.25)	.060 (1.5)	.790 (20.1)	485 (722)
UVS9-12	12	9 AWG	19/22	.020 (.51)	.010 (.25)	.080 (2.0)	.985 (25.0)	751 (1117)

Part numbers shown are for XLP/PVC jacketed cables only.

Optional features available are: 1) Bare copper conductors per ASTM B8 and 2)1000 volt rating.

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.

Consult factory for a variety of alternate constructions for specific applications.

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