

## TYPE W

Flexible power leads for installation in conduit



### PRODUCT CONSTRUCTION:

**Conductor:** 8 AWG through 500 kcmil fully annealed stranded bare copper

**Insulation:** Premium-grade 90°C EPDM

**Jacket:** Super Vu-Tron® 90°C, black · Temperature range: -40°C to +90°C · Voltage rating: 600 volts Type RHH/RHW 2000 volts Type W · An open polyester braid reinforcement is applied between the insulation and jacket for mechanical strength

**Applications:** Portable power systems · Entertainment industry activities such as theatre, television, night clubs, motion pictures, mobile communication vans, spotlights and sound systems · Other similar applications that would require permanent or temporary power · Permanent wiring of 600 volt power supplies, hoists, cranes and other applications where flexible power leads must be installed in conduit or raceways

**Features:** Water-resistant\* · Sunlight-resistant · Designed to withstand severe environmental conditions · Withstands exposure to oil, acids, alkalies, heat, flame, moisture and chemicals · Meets or exceeds flame test requirements of MSHA and UL

**Industry Approvals:** UL Type W · UL Type RHH or RHW · MSHA Approved · RoHS Compliant

\* Suitable for immersion in water if properly sealed and terminated.

### STANDARDS AND APPROVALS



### APPLICATION PROPERTIES

Flame retardant	Yes	Resistant to UV	Yes
Halogen free	No	Outdoor installation	Yes
Low smoke	No	Underground installation	No
Oil resistant	Yes		

We reserve the right to do changes as a result of running product development and/or changes in standards

## ELECTRICAL PROPERTIES

Catalog Number	No. Of. Cond	AWG / Kcmil	Conductor strand count	Insulation thickness [in]	Insulation thickness [mm]	Nominal overall o.d.	Nominal outer diameter [mm]	Ampacity	Cable weight [lbs/ft]	Colour outer sheath
83001	1	1	259	0.08	2.03	0.73	18.54	220	465	Black
81374	4	1	259	0.08	2.03	1.58	40.13	177	2,045	Black
81375	5	1	259	0.08	2.03	1.82	46.23	141	2,675	Black
80641	1	2	655/30	0.06	1.52	0.65	16.51	190	361	Black
83002	1	2	259	0.06	1.52	0.67	17.02	190	380	Black
81662	2	2	259	0.08	2.03	1.21	30.73	174	935	Black
81663	3	2	259	0.08	2.03	1.28	32.51	174	1,190	Black
81664	4	2	259	0.08	2.03	1.435	36.45	152	1,580	Black
81665	5	2	259	0.08	2.03	1.545	39.24	121	1,925	Black
83004	1	4	259	0.06	1.52	0.595	15.11	140	270	Black
81642	2	4	259	0.06	1.52	1.02	25.91	130	620	Black
81643	3	4	259	0.06	1.52	1.13	28.7	130	810	Black
81644	4	4	259	0.06	1.52	1.21	30.73	114	1,040	Black
81645	5	4	259	0.06	1.52	1.36	34.54	91	1,320	Black
83006	1	6	259	0.06	1.52	0.545	13.84	105	205	Black
81622	2	6	259	0.06	1.52	0.91	23.11	99	470	Black
81623	3	6	259	0.06	1.52	1.02	25.91	99	625	Black
81624	4	6	259	0.06	1.52	1.085	27.56	87	800	Black
81625	5	6	259	0.06	1.52	1.18	29.97	69	915	Black
83008	1	8	133	0.06	1.52	0.47	11.94	80	145	Black
81312	2	8	133	0.06	1.52	0.8	20.32	74	325	Black
81313	3	8	133	0.06	1.52	0.945	24	74	470	Black
81314	4	8	133	0.06	1.52	0.995	25.27	65	615	Black
81315	5	8	133	0.06	1.52	1.05	26.67	52	650	Black
77463	1	12	65/30	0.045	1.14	0.265	6.6			Black
83250	1	250	627	0.105	2.67	1.045	26.54	455	1,125	Black
83350	1	350	855	0.105	2.67	1.145	29.08	570	1,465	Black
83500	1	500	1235	0.105	2.67	1.315	33.4	700	2,010	Black
80661	1	1/0	1042/30	0.08	2.03	0.75	19.05	260	521	Black
80661	1	1/0	1042/30	0.08	2.03	0.75	19.05	260	521	Orange

We reserve the right to do changes as a result of running product development and/or changes in standards

## ELECTRICAL PROPERTIES

Catalog Number	No. Of. Cond	AWG / Kcmil	Conductor strand count	Insulation thickness [in]	Insulation thickness [mm]	Nominal overall o.d.	Nominal outer diameter [mm]	Ampacity	Cable weight [lbs/ft]	Colour outer sheath
83010	1	1/0	259	0.08	2.03	0.79	20.07	260	550	Black
80661	1	1/0	1042/30	0.08	2.03	0.75	19.05	260	521	Red
81383	3	1/0	259	0.08	2.03	1.58	40.13	234	1,965	Black
81384	4	1/0	259	0.08	2.03	1.695	43.05	205	2,430	Black
81385	5	1/0	259	0.08	2.03	1.935	49.15	164	2,885	Black
80671	1	2/0	1316/30	0.08	2.03	0.825	20.96	300	644	Black
83020	1	2/0	259	0.08	2.03	0.865	21.97	300	675	Black
81393	3	2/0	259	0.08	2.03	1.675	42.55	271	2,350	Black
81394	4	2/0	259	0.08	2.03	1.845	46.86	237	2,950	Black
81395	5	2/0	259	0.08	2.03	2.09	53.09	189	3,630	Black
83030	1	3/0	259	0.08	2.03	0.91	23.11	350	790	Black
80681	1	3/0	1660/30	0.08	2.03	0.91	23.11	350	755	Black
81403	3	3/0	259	0.08	2.03	1.815	46.1	313	2,890	Black
81404	4	3/0	259	0.08	2.03	1.955	49.66	274	3,430	Black
81405	5	3/0	259	0.08	2.03	2.26	57.4	219	4,900	Black
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Beige
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Orange
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Green
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Red
83040	1	4/0	259	0.08	2.03	0.96	24.38	405	940	Black
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Yellow
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Black
80691	1	4/0	2062/30	0.08	2.03	0.96	24.38	405	933	Other
81414	4	4/0	259	0.08	2.03	2.145	54.48	316	3,885	Black
81415	5	4/0	259	0.08	2.03	2.46	62.48	252	5,980	Black

We reserve the right to do changes as a result of running product development and/or changes in standards