



Specification Sheet

BWC Part Number #: DUKE

Single Aluminum Conductor 600V URD

Application

This Aluminum 600V URD cable is intended for use in secondary distribution circuits, where it can be installed in ducts or used in direct burial applications. It has a maximum operating temperature of 90°C in both wet and dry locations and is rated for 600 volts. This cable can also be provided pre-pulled into a duct.

Construction

- **Conductor:** The conductor is a concentric stranded or compressed 1350-H19 series aluminum.
- **Insulation:** The cable is insulated with black, sunlight-resistant cross-linked polyethylene (XLP).

Standards

- ASTM B230, B231, and B901
- UL 854 for Type USE-2
- ICEA S-105-692
- RUS ACCEPTED

PART NUMBER	COND SIZE (AWG/ MCM)	NO OF STRANDS	INSULATION THICKNESS (MILS)	OVERALL DIAMETER (INCH)	WEIGHT – ALUMINUM (LBS/KFT)	WEIGHT - TOTAL (LBS/KFT)	AMPACITY DIRECT BURIED (AMPS)	AMPACITY IN DUCT (AMPS)
PRINCETON	6	7	60	.309	25	45	90	65
MERCER	4	7	60	.357	39	64	120	85
CLEMSON	2	7	60	.418	62	93	155	115
KENYON	1	19	80	.500	78	122	175	130



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Information on this specification is subject to change without notice. REV 03062023





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HARVARD	1/0	19	80	.540	99	148	200	150
YALE	2/0	19	80	.586	125	179	225	170
TUFTS	3/0	19	80	.638	157	217	250	195
BELOIT	4/0	19	80	.696	198	265	290	225
HOFSTRA	250	37	95	.774	234	317	320	250
GONZAGA	300	37	95	.829	281	371	355	280
RUTGERS	350	37	95	.880	328	423	385	305
DARTMOUTH	400	37	95	.930	376	476	410	325
EMORY	500	37	95	1.012	469	571	465	370
DUKE	600	61	110	1.124	562	701	510	410
FURMAN	700	61	110	1.195	656	804	550	440
SEWANEE	750	61	110	1.229	703	855	580	470
FORDHAM	1000	61	110	1.383	937	1109	670	545

*Table data sourced from. All values are nominal and subject to correction.

*Ampacity is based on 90°C conductor temperature, 20°C ambient temperature, RHO 90, and 100% load factor. For NEC installations, reference NEC article 310.15.

ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.

GET WIRED

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