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ATLAS WIRE CORPORATION
REGISTERED TO ISO9001:2000
CERTIFICATE NO. A4894

MATERIAL SPECIFICATION SHEET

#12 19/0185 BC 1/64" .005" NYLON
RoHS COMPLIANT
THHN/THWN 90c-600v
UL 1452 90c – 1000 v UL 1316 105c – 600v
MTW/1408 90c – 600 v
CSA AWM 105c-600v

CONDUCTOR:	#12 19/0185 BC 1-1/4" UNILAY	
	APPROXIMATE NOMINAL O.D.	.091"
	APPROXIMATE CIRCULAR MILL AREA	6,530
	WEIGHT PER THOUSAND FEET	20.11#
	BASIC SPECIFICATION	ASTM B 8 ASTM B 286
PVC:	TEMPERATURE RATING	105c
	VOLTAGE RATING	600 VOLTS
	ELONGATION	300%
	SPECIFIC GRAVITY	1.36
	DUROMETER DELAYED (SHORE)	92 (A)
	TENSILE STRENGTH	2850 PSI
	OXYGEN INDEX	29
	BRITTLE POINT	-25c
NYLON:	ELONGATION	300%
	SPECIFIC GRAVITY	1.13
	TENSILE STRENGTH	11,500 PSI
	OVERALL DIAMETER	.133"
	WEIGHT PER M FEET	24.00#
	SPARK TESTED	8,000 VOLTS
UL INSULATED WIRE USE:	BUILDING WIRE PER	APPLICABLE UL 83
	STANDARDS	
UL APPLIANCE WIRE USE:	INTERNAL WIRING OF APPLIANCES; OR INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO TEMPERATURES NOT EXCEEDING 105c OR WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60C	