



ATLAS WIRE LLC.
9525 RIVER STREET
SCHILLER PARK, ILLINOIS 60176
(847) 678-1210
(847) 678-1281 FAX
www.atlaswirecorp.com



Atlas Wire, LLC
Registered to ISO9001 and TS16949
Schiller Park, IL 60176
Reference No. 10000854
Tucson, AZ 85714
Reference No. 10003647

MATERIAL SPECIFICATION SHEET

**#20 7/28 BARE COPPER 1/64" PVC .005 NYLON
RoHS COMPLIANT
AWM STYLE 1316 105C 600V OR AWM STYLE 1408 90C 600V
OR AWM 1452 90C 1000V OIL RESISTANT 60C
CSA AWM 1 A/B 105C FT1**

CONDUCTOR:	#20 7/28 BARE COPPER 1/2" CONCENTRIC LAY	
	NOMINAL DIAMETER	.038"
	APPROXIMATE CIRCULAR MILL AREA	1,118
	WEIGHT PER THOUSAND FEET	3.40#
	BASIC SPECIFICATION	ASTM B 8 ASTM B 286
PVC:	TEMPERATURE RATING	105c
	ELONGATION	330% AVERAGE
	SPECIFIC GRAVITY	1.32
	DUROMETER (SHORE)	46 (D)
	MINIMUM TENSILE STRENGTH	3500 PSI
	OXYGEN INDEX	30.5
	BRITTLE POINT	-18c
	SPARK TESTED	10,000 VOLTS
NYLON:	ELONGATION	300%
	TENSILE STRENGTH	11,500 PSI AVERAGE
	SPECIFIC GRAVITY	1.13
	OVERALL DIAMETER	.080"
	WEIGHT PER M FEET	5.55#
USE:	INTERNAL WIRING OF APPLIANCES WHERE EXPOSED TO TEMPERATURES NOT EXCEEDING 105C OR WHERE EXPOSED TO OIL AT A TEMPERATURE NOT EXCEEDING 60C.	

info@atlaswirecorp.com

Revision 05/2/16