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ATLAS WIRE CORPORATION
REGISTERED TO ISO 9002
CERTIFICATE NO. A4894

MATERIAL SPECIFICATION SHEET

**#18 16/30 TC 1/64" PVC .005 NYLON
RoHS COMPLIANT
TFFN 600v INSULATED WIRE
AWM STYLES 1316, 1452, AND 1408
CSA TEWN 105c – 600v FT-1**

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONDUCTOR: | #18 16/30 TINNED COPPER 1" LAY BUNCHED |
| | NOMINAL DIAMETER .048" |
| | APPROXIMATE CIRCULAR MILL AREA 1,600 |
| | WEIGHT PER THOUSAND FEET 5.00# |
| | BASIC SPECIFICATION ASTM B 174 |
| PVC: | TEMPERATURE RATING 105c |
| | ELONGATION 330% AVERAGE |
| | SPECIFIC GRAVITY 1.35 |
| | DUROMETER (SHORE) 92 (A) |
| | MINIMUM TENSILE STRENGTH 2850 PSI |
| | OXYGEN INDEX 29 |
| | BRITTLE POINT -25c |
| | SPARK TESTED 10,000 VOLTS |
| NYLON: | ELONGATION 300% |
| | TENSILE STRENGTH 7400 PSI @ 50% RELATIVE HUMIDITY |
| | SPECIFIC GRAVITY 1.13 |
| | OVERALL DIAMETER .090" |
| | WEIGHT PER M FEET 7.52# |
| PRINT: | 18 AWG E80256 (UL) MTW OR TFFN 600 V GASOLINE AND OIL RESISTANT II OR AWM STYLE 1316 600V OR AWM STYLE 1408 600V OR AWM STYLE 1452 1000V LL29012 CSA TEWN 105C - 600 V FT-1 |
| UL 1316 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.