

1. CONDUCTOR (2):

- 1.1 Size and Material: 20 19/32 AWG nickel-plated copper wire.
- 1.2 O.D.: .038" ± .001"

2. INSULATION:

- 2.1 Extruded PTFE.
- 2.2 Surface treated with a sodium etching solution.
- 2.3 O.D.: .058" ± .002"
- 2.4 Color code: white, white.

3. CABLING:

- 3.1 The two wires are twisted together with a 1.00" nominal left hand lay.
- 3.2 O.D.: .116" ± .004"

4. JACKET:

- 4.1 Extruded silicone rubber.
- 4.2 O.D.: .169" +.003"/-.004".
- 4.3 Color: black.
- 4.4 Talc powder applied on the jacket.
- 4.5 Specific gravity: 1.29 nom.
- 4.6 Hardness: 80 ± 5 Shore A.
- 4.7 Tensile strength: 1100 psi nom.
- 4.8 Elongation: 335% nom.
- 4.9 Brittleness temperature: -65°C nom.
- 4.10 Tear strength: 80 Die B nom.
- 4.11 Dielectric constant: 3.20 nom.
- 4.12 Dielectric strength: 400 V/mil nom.
- 4.13 Volume resistivity: 0.12 x 10¹⁶ ohm-cm nom.

5. PERFORMANCE:

- 5.1 Voltage rating: 600 VAC R.M.S.
- 5.2 Temperature rating: 260°C (inner wires) / -40°C to 200°C (whole cable)




6. NOTES:

- 6.1 Weight: 20.80 lbs/1000 ft nom.

CUSTOMER APPROVAL

Sign: _____

Date: _____

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							Verified: <i>Carole L...</i> Date: July 14, 2008						Description: 2(EXE10N2019/32)SR 9-9/0 .169" OD	
UNCONTROLLED DOCUMENT A later revision of this specification may exist.							 <p>A member of The Marmon Group of companies</p>		Size: A	Scale: ---	Page: 1 of 1	Code Ident. No: 57104	Specification No.: F04468-S	Rev. ---