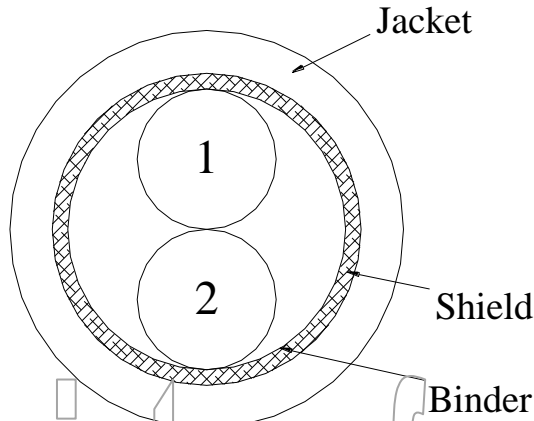


PRODUCT SPECIFICATION DRAWING

Proprietary Information not to be reproduced

Product Title:

(2) CONDUCTOR #16 AWG EXANE-15, SHIELDED, EXANE JACKETED CABLE, 600V



CONSTRUCTION:

NOMINAL DIAMETER
(Inches) (mm)

1.0 COMPONENT: 2 REQUIRED

1.1 Conductor: #16 AWG 19/29 Tinned Copper 0.054 1.372

1.2 Insulation: Dual Layer Irradiation Cross-Linked Exane and Modified Fluoropolymer (Exane-15) Nominal .015" thickness 0.084 2.134

1.3 Color Code: 1. Black 2. White

2.0 CABLE:

2.1 Core: 2 Components twisted together with a 1.50" nominal left hand lay. 0.168 4.267

2.2 Binder: .001" thick, Mylar tape wrap, 50 % overlap 0.172 4.369

2.3 Shield: #36 AWG Tinned Copper Braid 85% Minimum Coverage 0.194 4.928

2.4 Jacket: Irradiation Cross-Linked Polyolefin (Exane) Nominal Wall Thickness .020" Color: Dk. Gray 0.234 5.944

MAXIMUM O.D.: 0.255 6.477

3.0 MARKING: Jacket is printed in contrasting ink as follows:

"ROCKBESTOS-SURPRENANT EXANE-15 TD-004846 2/C #16 AWG SHLD 125°C 600V (Yr of Mfg) (Seq.Ftg)"

4.0 APPROX. WEIGHT PER 1000 FEET: 44.0 Lbs.



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EF02016 (A2500400)

Revised By: E. Maruca

Reviewed By: D. Clough

Date: 5/11/11

Revision: 4

Page: 1 of 2

DWG Number: TD-004846

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Product Title:

(2) CONDUCTOR #16 AWG EXANE-15, SHIELDED, EXANE JACKETED CABLE, 600V

5.0 BEND RADII: Static: 1.60" minimum
Dynamic: 2.70" minimum

6.0 AMPACITY: 20A (Based on 40°C Ambient)

7.0 TEST REQUIREMENTS:

Cable in accordance with R-SCC DAC1168B
Dielectric Withstand: 2,500 V RMS Cond to Cond
Cond to Shield

8.0 FLAME: Passes the flame test requirement of 49Code of Federal Regulations (CFR), Part 238 Appendix B, in accordance with NEMA WC 3/CEA S-19-81, paragraph 6.19.6.

9.0 SMOKE: Passes the smoke test requirement of 49Code of Federal Regulations (CFR), Part 238 Appendix B, in accordance with ASTM E662-97:

Flaming D_s (4.0 minutes) ≤ 200
Non-Flaming D_s (4.0 minutes) ≤ 75

10.0 TOXICITY: Passes the toxicity requirements when tested in accordance with Boeing Specification Support Standard, BSS-7239, for both the flaming & Non-flaming modes, as detailed in the table below:

Chemical	Requirement (ppm)
Carbon Dioxide	90000
Carbon Monoxide	3500
Hydrogen Fluoride	200
Hydrochloric Acid	500
Nitrous Fumes (NO & NO ₂)	100
Sulphur Dioxide	100
Hydrocyanic Acid	150