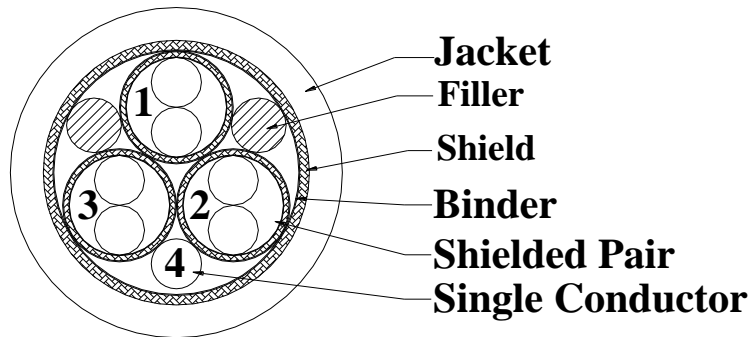


PRODUCT SPECIFICATION DRAWING

Proprietary Information not to be reproduced

Product Title:

7 CONDUCTOR 18 AWG EXANE-15, EXANE JACKETED, 600V



CONSTRUCTION:

NOMINAL DIAMETER
(Inches)

1.0 COMPONENT I : 3 REQUIRED

- | | | | |
|-------------------|----------------------------|--|-------|
| <u>1.1</u> | <u>Conductor:</u> | 18 AWG 19/30 tinned copper | 0.048 |
| <u>1.2</u> | <u>Insulation:</u> | Dual Layer Irradiation Cross-Linked Exane and Modified Fluoropolymer (Exane-15)
Nominal .015" thickness | 0.079 |
| <u>1.3</u> | <u>Pair Twist:</u> | Conductors are twisted with a nominal 2.0" Left Hand Lay | 0.164 |
| <u>1.4</u> | <u>Shield:</u> | #36 AWG Tinned Copper Braid Shield, 85% minimum coverage. | 0.187 |
| <u>1.5</u> | <u>Pair Jacket:</u> | Irradiation cross-linked Exane
Nominal 0.015" thickness | 0.220 |
| <u>1.6</u> | <u>Color Code:</u> | White with printed numbers | |

2.0 COMPONENT II : 1 REQUIRED

- | | | | |
|-------------------|---------------------------|--|-------|
| <u>2.1</u> | <u>Conductor:</u> | 18 AWG 19/30 tinned copper | 0.048 |
| <u>2.2</u> | <u>Insulation:</u> | Dual Layer Irradiation Cross-Linked Exane and Modified Fluoropolymer (Exane-15)
Nominal .015" thickness | 0.079 |

3.0 CABLE:

- | | | | |
|-------------------|-----------------------|--|-------|
| <u>3.1</u> | <u>Core:</u> | (3) Components I, (1) Component II and fillers twisted Together with a nominal 6.5" Left Hand Lay. | 0.475 |
| <u>3.2</u> | <u>Filler:</u> | Fibrillated Polypropylene, as necessary for roundness | |
| <u>3.3</u> | <u>Binder:</u> | .001" Mylar Tape wrap, 50% overlap | 0.479 |
| <u>3.4</u> | <u>Braid:</u> | #34 AWG, tinned copper 85% minimum coverage | 0.507 |

PRODUCT SPECIFICATION DRAWING

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Product Title:

7 CONDUCTOR 18 AWG EXANE-15, EXANE JACKETED, 600V

4.0 JACKET: Irradiation Cross-Linked Polyolefin (Exane)
Nominal .045" thickness
Color: Dk.Gray
MAXIMUM O.D.: 0.600
0.620

5.0 MARKING: Jacket is printed in contrasting ink as follows:
"RSCC EXANE-15 TD-007581 7/C 18 AWG 125°C 600V (Yr of Mfg)"

6.0 APPROX. WEIGHT PER 1000 FEET: 195.0 Lbs.

7.0 Bend Radii: Static: 2.00" minimum
Dynamic: 6.00" minimum

8.0 TEST REQUIREMENTS:
Cable in accordance with R-SCC DAC1168B

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

10.0 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

11.0 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



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Drawn By: P. Robinson

Date: 7/13/10

Page: 2 of 2

PART NUMBER: TBD

Reviewed By: W. Drabek

Revision: 1-bend radius

DWG Number: TD-007581