

Quote 1237101, Design A

03-21-18 REV. 0

I. DESCRIPTION

COMPOSITE CABLE CONSISTING OF THE FOLLOWING COMPONENTS:

- COMPONENT 1: 6 CONDUCTOR 20 AWG PVC INSULATION, MYLAR WRAP, SERVE (SPIRAL) SHIELD, PVC JACKET
- COMPONENTS 2, 3 & 4: 2 CONDUCTORS 20 AWG PVC INSULATION, FOIL SHIELD WITH DRAIN, PVC JACKET

COMPONENTS 2, 3 & 4 ARE SPIRALLY WRAPPED AROUND COMPONENT 1 WITH ONE COMPLETE 360° TURN EVERY 6 INCHES (MINIMUM). THERE IS AN OVERALL PVC JACKET

II. ELECTRICAL CHARACTERISTICS

ALL COMPONENTS

MAX OPERATING VOLTAGE: 300 V RMS
NOMINAL CONDUCTOR DCR @ 20°C: 9.5 OHMS/1000'

III. PHYSICAL CHARACTERISTICS

COMPONENT 1

CONDUCTOR MATERIAL: 20 AWG (26X34) TINNED COPPER
INSULATION MATERIAL: PVC - POLYVINYLE CHLORIDE
NOMINAL INSULATION THICKNESS: .016"
COLOR CODE: BLACK, RED, YELLOW, GREEN, BLUE, WHITE
JACKET MATERIAL (COLOR): PVC (GRAY)
NOMINAL JACKET THICKNESS: .020"
SHIELD TYPE & COVERAGE: SERVE (SHIELD) OF TINNED COPPER WIRE, 95%
NOMINAL DIAMETER: .290"

COMPONENT 2

CONDUCTOR MATERIAL: 20 AWG (26X34) TINNED COPPER
INSULATION MATERIAL: PVC - POLYVINYLE CHLORIDE
NOMINAL INSULATION THICKNESS: .012"
COLOR CODE: GREEN, WHITE
JACKET MATERIAL (COLOR): PVC (GRAY)
NOMINAL JACKET THICKNESS: .031"
SHIELD TYPE & COVERAGE: ALUMINUM FOIL-POLYESTER TAPE, 100%
DRAIN WIRE SIZE, MATERIAL & STRANDING: 20 AWG, 19X32, TINNED COPPER

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NOMINAL DIAMETER: .195"

COMPONENT 3

CONDUCTOR MATERIAL: 20 AWG (26X34) TINNED
COPPER

INSULATION MATERIAL: PVC - POLYVINYLE CHLORIDE

NOMINAL INSULATION THICKNESS: .012"

COLOR CODE: WHITE/GREEN, GREEN/WHITE

JACKET MATERIAL (COLOR): PVC (GRAY)

NOMINAL JACKET THICKNESS: .031"

SHIELD TYPE & COVERAGE: ALUMINUM FOIL-POLYESTER
TAPE, 100%

DRAIN WIRE SIZE, MATERIAL &
STRANDING: 20 AWG, 19X32, TINNED
COPPER

NOMINAL DIAMETER: .195"

COMPONENT 4

CONDUCTOR MATERIAL: 20 AWG (26X34) TINNED
COPPER

INSULATION MATERIAL: PVC - POLYVINYLE CHLORIDE

NOMINAL INSULATION THICKNESS: .012"

COLOR CODE: WHITE/YELLOW, GREEN/YELLOW

JACKET MATERIAL (COLOR): PVC (GRAY)

NOMINAL JACKET THICKNESS: .031"

SHIELD TYPE & COVERAGE: ALUMINUM FOIL-POLYESTER
TAPE, 100%

DRAIN WIRE SIZE, MATERIAL &
STRANDING: 20 AWG, 19X32, TINNED
COPPER

NOMINAL DIAMETER: .195"

OVERALL

OUTER JACKET MATERIAL PVC

NOMINAL OUTER JACKET THICKNESS: .020"

TEMPERATURE RATING: -20°C TO +90°C

MINIMUM BEND RADIUS: 5.3"

NOMINAL OVERALL DIAMETER: 0.53"

APPLICABLE SPECIFICATIONS: N/A

*SAMPLE REQUIRED PRIOR TO A PRODUCTION ORDER TO VALIDATE
PROCESSING AND FOR CUSTOMER APPROVAL