

# Technical Data Sheet

02/01/18 REV. 0

Y65383

#### I. DESCRIPTION:

\_\_\_\_\_

20 AWG (8X#30,2X#29) TINNED COPPER TPE INSULATED CONDUCTORS, ONE FOIL TAPE SHIELDED TRIAD INCLUDING A 20 AWG (8X#30,2X#29) TINNED COPPER DRAIN WIRE CABLED WITH THIRTEEN MORE SINGLES, POLYESTER TAPE WRAP, OVERALL TINNED COPPER BRAID WITH 20 AWG (8X#30,2X#29) TINNED COPPER DRAIN WIRE, OUTER PVC JACKET

#### II. ELECTRICAL CHARACTERISTICS:

\_\_\_\_\_\_

MAX. OPERATING VOLTAGE: 300 V RMS

MAX. CONTINUOUS CURRENT PER

CONDUCTOR @ 25 DEG. C: 3 A (35C TEMP. RISE)

NOM. D.C. RESISTANCE OF

CONDUCTOR @ 25 C: 9.25 OHMS/1000 FT.

NOM. D.C. RESISTANCE OF

SHIELD @ 25 C:

(TRIAD) 7.75 OHMS/1000 FT. (OVERALL) 1.5 OHMS/1000 FT.

### III. PHYSICAL CHARACTERISTICS:

\_\_\_\_\_

TEMPERATURE RATING: -40 TO +90 DEG.C

INSULATION MATERIAL: TPE

FILLER MATERIAL: POLYPROPYLENE CORE WRAP: POLYESTER TAPE

TYPE SHIELDS AND % COVERAGE: ALUMINUM/POLYESTER TAPE (100%),

TINNED COPPER BRAID (90%)

SEPARATOR: PAPER TAPE

JACKET MATERIAL (COLOR): PVC (BLACK)

OVERALL DIAMETER: .473" +/- .010"

MIN. BEND RADIUS: 4-3/4"

NOM. WEIGHT: 152 LBS./1000 FT.

MAXIMUM PULLING TENSION: 295 LBS

APPLICABLE SPECIFICATIONS: ROHS COMPLIANT

## IV. COLOR CODE:

-----

TRIAD: BLACK, RED, WHITE

SINGLES: GREEN, BROWN, BLUE, ORANGE, YELLOW, PURPLE, GRAY,

PINK, TAN, WHITE/BLACK, WHITE/RED, WHITE/GREEN,

WHITE/ORANGE

© 2018 Belden, Inc. All rights reserved. All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability our suitability for a given purpose. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory, or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden reserves the right to change any specification in the interest of product enhancement. This cable complies with the EU-RoHS directive 2002/95/EC (restrictions on hazardous substances). peng:cwc