



Technical
Data Sheet
YR51082
03/22/2010 REV. 4

I. DESCRIPTION

COMPOSITE CABLE CONSISTING OF:

- ELEMENT 1 - 12 AWG (65X#30) TINNED COPPER CONDUCTOR. PVC INSULATION
- ELEMENT 2 - ONE PAIR 22 AWG (19X#34) TINNED COPPER CONDUCTORS. PVC INSULATION
- ELEMENT 3 - 22 AWG (19X#34) TINNED COPPER CONDUCTOR. PVC INSULATION
- OVERALL - SEVEN ELEMENT 1'S ARE CABLED AROUND EIGHT ELEMENT 2'S + ONE ELEMENT 3 WITH POLYPROPYLENE FILLERS. AN OVERALL BELDFOIL® SHIELD WITH A 65% TINNED COPPER BRAID SHIELD IS APPLIED OVER THE CORE. OVERALL MATTE GREY PVC JACKET.

II. ELECTRICAL CHARACTERISTICS

- MAX. OPERATING VOLTAGE: 300 V RMS
- MAX. CURRENT/CONDUCTOR @ 20C
 - (12 AWG): 25.2
 - (22 AWG): 5.6 A
- NOM. CONDUCTOR DC RESISTANCE
 - @ 20 DEG. C (22 AWG): 17.5 OHMS/1000 FT.
 - (12 AWG): 1.6 OHMS/1000 FT.

III. PHYSICAL CHARACTERISTICS

ELEMENT 1:

- CONDUCTOR MATERIAL & DIA: 12AWG (65X#30) TINNED COPPER; .093" NOM
- INSULATION MATERIAL & DIA: PVC; .031" NOM WALL; .155" NOM OD

ELEMENTS 2 & 3:

- CONDUCTOR MATERIAL & DIA: 22AWG (19X#34) TINNED COPPER; .030" NOM
- INSULATION MATERIAL & DIA: PVC; .016" NOM WALL; .062" NOM OD

OVERALL

- TEMPERATURE RATING: -30 TO +105 DEG.C (ALL MATERIALS)
- SHIELD MATERIAL & COVERAGE: ALUM/MYLAR TAPE; 100%
TINNED COPPER BRAID; 65%
- JACKET MATERIAL (COLOR): PVC (GREY)
- JACKET DIAMETER: .830" NOMINAL
- MIN. BEND RADIUS: 8.3"
- MAX. PULLING TENSION: 1050 LBS
- APPLICABLE SPECIFICATION: NEC TYPE CL2 (UL13)
CSA AWM I/II A/B FT4
UL 1685 VERTICAL TRAY
CSA FT4
- FLAME RESISTANCE: UL 1685 VERTICAL TRAY
CSA FT4

COLOR CODE:

<u>ELEMENT 1</u>	<u>ELEMENT 2</u>	<u>ELEMENT 3</u>
BLACK	BLACK & RED	BLACK
RED	BLACK & WHITE	
BLUE	BLACK & GREEN	
ORANGE	BLACK & BLUE	
YELLOW	BLACK & YELLOW	
BROWN	BLACK & BROWN	
RED/BLACK	BLACK & ORANGE	
	RED & WHITE	