

Technical Data Sheet 01/19/2016 YM58206 Rev. 0

### General Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall):

-# Pairs	2
-AWG	22
-Stranding	7x30

-Conductor Material TC - Tinned Copper

-Inner	Shield	Trade	Name	Beldfoil®(Z-Fold®)

-Inner Shield Type Tape

-Inner Shield Material Aluminum Foil-Polyester Tape

-Inner Shield Coverage (%) 100 -Inner Shield Drain Wire Stranding 7x32

-Inner Shield Drain Wire Conductor

Material TC - Tinned Copper

-Outer Shiled Material Unshielded

-Outer Jacket Material PVC - Polyvinyl Chloride

-Outer Jacket Nom. Wall Thickness .020"

-Overall Nom. Diameter .160"

-Pair Color Code Red & White; Yellow & Blue

## Mechanical Characteristics (Overall):

-Operating Temperature Range	-20°C To +75°C
-UL Temperature Rating	60°C

UL Temperature Rating

17 lbs/1000 ft. -Bulk Cable Weight

-Max. Recommended Pulling Tension 42 lbs. -Min. Bend Radius/Minor Axis 1.750"

# Applicable Specifications and Agency Compliance (Overall):

-NEC/(UL) Specification		CM
-CEC/C(UL) Specification	CM	
-EU Directive 2011/65/EU	(ROHS II)	Yes
-EU CE Mark		Yes
-EU Directive 2000/53/EC	(ELV)	Yes
-EU Directive 2002/95/EC	(RoHS)	Yes
-EU RoHS Compliance Date	(mm/dd/yyyy)	01/01/2004
-EU Directive 2002/96/EC	(WEEE)	Yes

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-EU Directive 2003/11/EC (BFR) Yes
-CA Prop 65 (CJ for Wire & Cable) Yes
-MII Order #39 (China RoHS) Yes

-UL Flame Test UL1685 UL Loading

-Plenum (Y/N) No

#### Electrical Characteristics (Overall):

Conductor & Shield

-Nom. Characteristic Impedance 52.000 Ohm
-Nom. Inductance .17 µH/ft

-Nom. Capacitance Conductor to Conductor 33.000 pF/ft

-Nom. Capacitance Cond. to Other

-Nominal Velocity of Propagation 66%

-Nom. Conductor DC Resistance 14.7 Ohm/1000 ft @ 20°C -Ind. Pair Nominal Shield DC

Resistance 15 Ohm/1000 ft @ 20°C

-Max. Operating Voltage - UL 300 V RMS

-Max. Recommended Current 2.3 Amps per conductor @ 25°C

62 pF/ft

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