



Product Description

1 Pair 22 AWG stranded (7x30) TC conductors, polypropylene insulation, paper wrap, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	for use with automatic stripping equipments; low voltage analog signals (4-20ma, 0-10v,); low voltage digital control (24v,); line level audio; computer communication; panel wiring
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Physical Characteristics (Overall)

Conducto	r			
Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	22	7x30	TC - Tinned Copper	1
Conducto	or Count	t:	2	
Total Nur	mber of	Pairs:	1	

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.008 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Туре	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	Alum / Poly	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	7x30

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.138 in

ce

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
14.5 Ohm/1000ft	14.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
34 pF/ft	67 pF/ft

Inductance

Nominal Inductan
0.17 µH/ft

Impedance

No	ominal	Characteristic	Impedanc

45 Ohm

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.5 ns/ft	66 %

Current

Max. Recommended Current [A]

2.9 Amps per conductor @ 25°C

Voltage

UL Voltage Rating 300 V RMS

Temperature Range

	Operating Temp Range:	-20°C To +75°C
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Mechanical Characteristics

Max Recommended Pulling Tension: 27 lbs Min Bend Radius/Minor Axis: 1.5 in	Bulk Cable Weight:	15 lbs/1000ft
Min Bend Radius/Minor Axis: 1.5 in	Max Recommended Pulling Tension:	27 lbs
	Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	: No		

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8451 010100	Black	Reel	100 ft	612825207726
8451 010500	Black	Reel	500 ft	612825207764
8451 010U500	Black	UnReel	500 ft	612825427414

Footnote:			C - CRA	TE REEL PUT-UF	
8451 008	Z1000	Gray	ReelTuff Box	1,000 ft	612825207719
8451 008	U1000	Gray	UnReel	1,000 ft	612825207665
8451 008	1000	Gray	Reel	1,000 ft	612825207689
8451 008	U500	Gray	UnReel	500 ft	612825427407
8451 008	500	Gray	Reel	500 ft	612825207658
8451 010	10000	Black	Reel	10,000 ft	612825207740
8451 010	5000	Black	Reel	5,000 ft	612825207696
8451 010	15000	Black	Reel	5,000 ft	612825207757
8451 010	Z1000	Black	ReelTuff Box	1,000 ft	612825208129
8451 010	U1000	Black	UnReel	1,000 ft	612825207702
8451 010	1000	Black	Reel	1,000 ft	612825207733

Product Notes

Notes:	Unique paper separator facilitates jacket stripping.		
History			
Update and Revision:	Revision Number: 0.285 Revision Date: 05-19-2020		

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