

For more Information
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1-800-Belden1



General Description:

18 AWG stranded (7x26) bare copper conductors, twisted pairs, XLPE insulation, overall Beldfoil® shield (100% coverage), insulated green ground wire, PVC jacket.

Usage (Overall)

Suitable Applications: Instrumentation Applications in Plants, TC-ER, Exposed Run Applications

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	1	18	7x26	BC - Bare Copper

Total Number of Conductors: 3

Ground Wire

Ground Wire (Y/N): Y

Ground Wire AWG: 18

Ground Wire Stranding: 7x26

Ground Wire Conductor Material: BC - Bare Copper

Ground Wire Insulation Material: XLPE - Cross Linked Polyethylene

Insulation

Insulation Material:

Insulation Material
XLPE - Cross Linked Polyethylene

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
20

Inner Shield Drain Wire Stranding: 7x28

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.2192

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black & White
2	Green

Overall Nominal Diameter: 8.636 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & White

Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +90°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	90.780 Kg/Km
Max. Recommended Pulling Tension:	355.856 N
Min. Bend Radius/Minor Axis:	86.360 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	TC-ER, UL 1277
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	08/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-66-524

Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202/383
ICEA Flame Test:	T-29-520

Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
177.174

Nom. Mutual Capacitance:

Capacitance (pF/m)
98.43

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.2267

Nominal Outer Shield DC Resistance:

METRIC MEASUREMENT VERSION

3088CE Multi-Conductor - 600V Tray Cable

DCR @ 20°C (Ohm/km)

24.4763

Max. Operating Voltage - UL:

Voltage

600 V RMS (NEC Type TC)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3088CE 0101000	1,000 FT	62.000 LB	BLACK	C	1PR18 + GRN GRD TC-ER 600V
3088CE 0105000	5,000 FT	375.000 LB	BLACK	C Z	1PR18 + GRN GRD TC-ER 600V

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 05-14-2007

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