Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

27872 Multi-Conductor - 600V Teck-Style® Cables

For more Information
please call

1-800-Belden1

Description:

8 AWG stranded (7x16) bare copper conductors, 10 AWG bare copper ground wire, cross-linked polyethylene insulation, PVC inner jacket, aluminum armor, PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	8	7x16	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Y
Ground Wire AWG:	10
Ground Wire Stranding:	7x18
Ground Wire Conductor Material:	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	.045

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.620

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket over Armor (y/n):	Y

Outer Jacket over Armor

Outer Jacket Material over Armor (y/n):	PVC

Armor

Armor Type:	Interlocked
Armor Material:	Aluminum
Diameter over Armor:	.81

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black printed #1
2	Black printed #2
3	Black printed #3

Overall Nominal Diameter:	0.910 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Wet Temperature Range:	-40°C To +90°C
Dry Temperature Range:	-40°C To +90°C
Bulk Cable Weight:	472 lbs/1000 ft.
Max. Recommended Pulling Tension:	396 lbs.
Min. Bend Radius (Install)/Minor Axis:	10.900 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	MC, XHHW-2 Singles, UL1569, UL1277
CSA Specification:	C22.2#131, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Test
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
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

Flame Test

UL Flame Test:	VW-1 Singles, UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	IEEE 1202
ICEA Flame Test:	ICEA T-29-520

Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
.65

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
55 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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