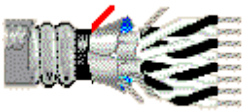
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

23538 Multi-Conductor - 300V ACIC Armored Cable



For more Information please call

1-800-Belden1

Description:

16 AWG pairs stranded (7x24) tinned copper conductors, individual Beldfoil® plus a polyester isolation tape, overall Beldfoil shield (100% coverage), PVC insulation, PVC inner jacket, interlocked armor, PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
24	16	7x24	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

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
18

Inner Shield Drain Wire Stranding:	7x26
Inner Shield Drain Wire Conductor Material:	TC - Tinned Copper

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	1.36

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
16	7x24	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord:	Yes
Outer Jacket over Armor (y/n):	Y

Armor

Armor Type:	Interlocked Armor

Armor Material:	Aluminum
Diameter over Armor:	1.63

Overall Cable

Overall Nominal Diameter:	1.750 in.

Mechanical Characteristics (Overall)

Installation Temperature Range:	-25°C To +105°C
Operating Temperature Range:	-40°C To +105°C
Non-UL Temperature Rating:	105°C
Bulk Cable Weight:	1397 lbs/1000 ft.
Max. Recommended Pulling Tension:	514 lbs.
Min. Bend Radius (Install)/Minor Axis:	17.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	ACIC
CSA Specification:	C22.2#239, Type ACIC, C22.2#174, HLABCD, C22.2#0.3, Clause 4.31
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
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

C(UL) Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	10 Ohm/1000 ft

Max. Operating Voltage - Non-UL:

Voltage	Description
300	CEC ACIC

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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

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