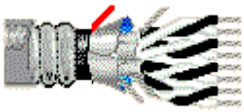
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

24510 Multi-Conductor - 600V 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, PVC insulation, PVC inner jacket, overall Beldfoil shield (100% coverage), 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	.030

Separator

Separator Material: Polyester

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	1.49

Inner Jacket Ripcord: Yes

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 Diameter:

Nom. Dia. (in.)
1.88

Outer Jacket Ripcord:	Yes

Armor

Armor Type:	Interlocked
Armor Material:	Aluminum

Overall Cable

Overall Cabling Separator Material:	Mylar®
Overall Nominal Diameter:	1.880 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4
5	Black & White and Numbered 5
6	Black & White and Numbered 6
7	Black & White and Numbered 7
8	Black & White and Numbered 8
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12
13	Black & White and Numbered 13
14	Black & White and Numbered 14
15	Black & White and Numbered 15
16	Black & White and Numbered 16
17	Black & White and Numbered 17
18	Black & White and Numbered 18
19	Black & White and Numbered 19
20	Black & White and Numbered 20
21	Black & White and Numbered 21
22	Black & White and Numbered 22
23	Black & White and Numbered 23
24	Black & White and Numbered 24

Mechanical Characteristics (Overall)

Installation Temperature Range:	-25°C To +105°C
Wet Temperature Range:	-40°C To +75°C
Dry Temperature Range:	-40°C To +105°C
Bulk Cable Weight:	1502 lbs/1000 ft.
Max. Recommended Pulling Tension:	2287 lbs.
Min. Bend Radius (Install)/Minor Axis:	22.600 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CSA Specification:	C22.2#239, Type ACIC, C22.2#174, HLABCD, 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):	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
Other Specification:	Low Acid Test

Flame Test

CSA Flame Test:	FT4

Suitability

Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Inductance:

Description	Inductance (µH/ft)
Loop Inductance	0.202

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
68.000

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
40.000

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
16 AWG	4.2
22 AWG	14.7

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	6.700 Ohm/1000 ft

Max. Operating Voltage - Other:

Voltage	Description
600	CEC ACIC

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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