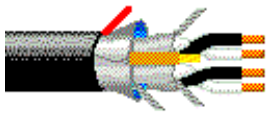
Detailed Specifications & Technical Data

BELDENCable

1474A Paired - 300V Power-Limited Tray Cable



For more information please call

1-800-Belden1

See Put-ups and Colors

Color Code Chart : ICEA Table E1.pdf

Description:

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, individually shielded plus an overall Beldfoil (100% coverage), PVC insulation, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	2
Number of Conductors	1
Total Number of Conductors	5
AWG	18, 22

Multi-Pairs/Conductors :

Number of Pairs/Conductors	AWG	Stranding	Conductor Material	Conductor Diameter (in.)
2 Pairs	18	7x26	BC - Bare Copper	
1 Communication Wire	22	7x30	BC - Bare Copper	

Stranding	7x26, 7x30
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & White and Numbered 1	Communication	Orange
2	Black & White and Numbered 2		

INNER SHIELD:

Inner Shield Material Trade Name	Beldfoil®
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	20

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Inner Shield Drain Wire Stranding	7x28
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER SHIELD:

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

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.053 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.408 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +105°C
Bulk Cable Weight	94 lbs/1000 ft.
Max. Recommended Pulling Tension	149 lbs.
Min. Bend Radius (Install)	4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, ITC, CMG
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	UL1685 FT4 Loading
CSA Flame Test	FT4
IEEE Flame Test	1202
ICEA Flame Test	T-29-520

SUITABILITY:

1474A Paired - 300V Power-Limited Tray Cable

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Burial	Yes
Sunlight Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	92 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	51 pF/ft

Nom. Conductor DC Resistance @ 20 Deg. C :

Description	Nom. Conductor DC Resistance @ 20 Deg. C (Ohms/1000 ft)
18 AWG	6.7
22 AWG	16.5

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	10.3 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	6 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	4 Amps per conductor @ 25°C

NOTES:

Notes	Alternate color coding available upon request.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1474A 0107500	2 FS PR #18 + 1 #22 PVC FS PVC	7500	720	BLACK	C Z

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: 12-07-2005

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