



Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	BC - Bare Copper	.047

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

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
20	7x28	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.037

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 0.233 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & White

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	32.500 lbs/1000 ft.
Max. Recommended Pulling Tension:	67.200 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.300 in.

1032A Multi-Conductor - 300V Power-Limited Tray Cable

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Suitability - Burial:	No
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Surface Printing:	LEGEND: BELDEN 1032A E34972 1PR18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG ----FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)
.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
51

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
95

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.86

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.07

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
8 Amps per conductor @ 25°C

1032A Multi-Conductor - 300V Power-Limited Tray Cable

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1032A 0061000	1,000 FT	34.000 LB	BLUE, LIGHT	C	2 #18 PVC FS PVC
1032A 00610000	10,000 FT	340.000 LB	BLUE, LIGHT	C	2 #18 PVC FS PVC
1032A 010S1000	1,000 FT	38.000 LB	BLACK		2 #18 PVC FS PVC
1032A 0101000	1,000 FT	38.000 LB	BLACK	C	2 #18 PVC FS PVC
1032A 01010000	10,000 FT	380.000 LB	BLACK	C Z	2 #18 PVC FS PVC
1032A 0102500	2,500 FT	92.500 LB	BLACK		2 #18 PVC FS PVC

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.

UL Instrumentation Cable

300V Power-Limited Tray Cables

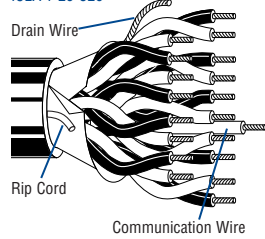
Industrial Grade Sunlight- and Oil-Resistant Jackets

Description	Part No.	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Jacket Thickness		Nominal OD		Maximum Pull Tension		Minimum Bend Radius	
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Lbs.	N	Inch	mm

18 AWG Pairs Stranded (7x26) Bare Copper Conductors • Twisted Pairs

Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • Black PVC Jacket (See chart below for other options)

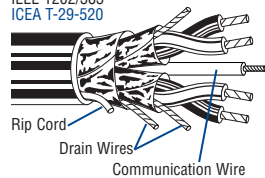
NEC: PLTC, ITC, CMG
CEC: CMG FT4
IEEE 1202/383
ICEA T-29-520



1032A	1	E1	1000	304.8	38.0	17.2	.037	.94	.233	5.92	67	298	2.50	63.50
			10000 †	3048.0	380.0	172.5								
3025A	2	E1	10000 †	3048.0	760.0	344.7	.042	1.07	.375	9.53	121	538	3.50	88.90
1529A	3	E1	7500 †	2286.0	735.0	333.4	.053	1.35	.415	10.54	165	734	4.25	107.95
1466A	4	E1	7500 †	2286.0	892.5	404.8	.053	1.35	.452	11.48	211	939	4.50	114.30
1467A	8	E1	7500 †	2286.0	1477.5	670.8	.053	1.35	.523	13.28	390	1735	5.50	139.70
1468A	12	E1	5000 †	1524.0	1375.0	624.3	.064	1.63	.673	17.09	560	2491	6.75	171.45
3034A	16	E1	Bulk ††	Bulk	—	—	.066	1.68	.713	18.11	640	2847	7.25	184.15
1471A	24	E1	2500 †	762.0	1292.5	586.3	.074	1.88	.932	23.67	1105	4916	9.25	234.95
1472A	36	E1	1250 †	381.0	910.0	413.1	.074	1.88	1.062	26.97	1644	7313	10.50	266.70
3041A	50	E1	Bulk ††	Bulk	—	—	.074	1.88	1.240	31.50	2240	10049	12.75	323.85

Individually Shielded + Overall Beldfoil (100% Coverage) • PVC Insulation • Black PVC Jacket (Other options below)

NEC: PLTC, ITC, CMG
CEC: CMG FT4
IEEE 1202/383
ICEA T-29-520



1474A	2	E1	7500 †	2286.0	720.0	326.9	.053	1.35	.408	10.16	149	663	4.00	101.60
1475A	4	E1	7500 †	2286.0	1065.0	483.1	.053	1.35	.468	11.89	267	1188	4.75	120.65
1476A	8	E1	5000 †	1524.0	1185.0	538.0	.053	1.35	.594	15.10	501	2229	6.00	152.40
1477A	12	E1	5000 †	1524.0	1740.0	789.3	.064	1.63	.737	18.72	779	3465	7.25	184.15
3035A	16	E1	Bulk ††	Bulk	—	—	.064	1.63	.836	21.20	725	3225	8.50	215.90
1480A	24	E1	2500 †	762.0	1712.5	777.5	.074	1.88	1.019	25.88	1443	6419	10.25	260.35
			5000 †	1524.0	3390.0	1539.1								
1481A	36	E1	Bulk ††	Bulk	—	—	.074	1.88	1.163	29.54	2148	9556	11.75	298.45
3042A	50	E1	Bulk ††	Bulk	—	—	.084	2.13	1.389	35.28	2935	13057	14.00	355.60

E1 = Refer to Technical Information section for color code.
Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

†Final put-up length may vary ±10% from length shown.

††Bulk = Check length available for specific construction.

Conductor, Insulation and Jacket Options**

To Specify:		
1234	A	E
Start with Part No.	Add or replace letter code for desired conductor, insulation & jacket	Add for Exposed Run rating if desired

Bare	Tinned	Insulation/Jacket
A	B	PVC/PVC
C	D	XLPE/PVC
K	L	TPE/TPE
Q	R	XLPE/CPE
S	T	XLPE/Haloarrest®

**For 1000 and 3000 Series cables only.