



Part Number: 1480A

300V, (24 pr) 18 AWG (7x26) BC, (1) 22 AWG (7x30) BC,
PVC/PVC, Foil Shld, PLTC-ER, CMG

Product Description

Twenty-four 18 AWG pairs stranded (7x26) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors	No. of Pairs
18	7x26	BC - Bare Copper		24
22	7x30	BC - Bare Copper	1	
Total Number of Conductors:			49	

Insulation:

Material
PVC - Polyvinyl Chloride

Color Chart 1:

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

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	20	7x28 mm
	TC - Tinned Copper			TC - Tinned Copper	7x28 mm

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	18	7x26 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	1.017 in	0.074 in	Yes

Print Legend:

BELDEN 1480A E34972 24PR18 1C22 SHIELDED (UL) CMG 105C OR
PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL)
CMG----FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET

Electrical Characteristics

Conductor DCR:

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
18 AWG	10.3 Ohm/1000ft	5.86 Ohm/1000ft	3.8 Ohm/1000ft
22 AWG		14.7 Ohm/1000ft	

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
51 pF/ft	95 pF/ft

Current:

Max. Recommended Current [A]
2 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.19 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	1443 lbs

Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4 Loading

Temperature Range

Operating Temp Range:	-30°C To +105°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	10.25 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Alternate color coding available upon request.
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Product Variants

Part Number	Color	Put-Up Type	Length
1480A 0061000	BLUE, LIGHT	Reel	1000 ft
1480A 0102500	BLACK	Reel	2500 ft
1480A 0104100	BLACK	Reel	4100 ft
1480A 0104400	BLACK	Reel	4400 ft
1480A 0104500	BLACK	Reel	4500 ft
1480A 0104800	BLACK	Reel	4800 ft
1480A 0104900	BLACK	Reel	4900 ft
1480A 0105000	BLACK	Reel	5000 ft

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