



**Part Number:** 1333A

FOUNDATION Fieldbus, (24 pr) 18 AWG (7x26) TC, PO/PVC, Foil Shld, CMG, CMX-Outdoor, PLTC-ER

## Product Description

Twenty-four 18 AWG pairs stranded (7x26) tinned copper conductors, polyolefin insulation, individual plus overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	TC - Tinned Copper	0.048 in	24
Total Number of Conductors:			48	

#### Insulation:

Material
PO - Polyolefin

#### Color Chart 1:

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

**Stranding:**

Lay Length	Twists
2.25 in	5.3 twist/ft

**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				

**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	Ripcord
PVC - Polyvinyl Chloride	1.13 in	Yes

## Electrical Characteristics

### Conductor DCR:

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
7.5 Ohm/1000ft	5.86 Ohm/1000ft	4.9 Ohm/1000ft

### Capacitance:

Max. Capacitance Unbalance	Nom. Capacitance Conductor to Shield	Nom. Mutual Capacitance
1.2 pF/ft	45 pF/ft	24 pF/ft

Other Electrical Characteristic 1:	Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft
Other Electrical Characteristic 2:	31.25 KBits/sec

### High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.08 db/100ft

### Delay:

Nominal Velocity of Propagation (VP) [%]
66 %

### High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Max./Min. Input Impedance (unFitted)
	0.091 db/100ft	100 Ohm
0.03125 MHz		
0.039 MHz		
0.039 MHz		

### Current:

Element	Max. Recommended Current [A]
Per Conductor	5.2 Amps

### Inductance:

Nominal Inductance
0.19 $\mu$ H/ft

### Voltage:

## UL Voltage Rating

300 V RMS

## Use

Suitability - Oil Resistance:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	1377 lbs

## Safety

ISO/IEC Flammability:	60332-3-24 (Category C)
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

Operating Temp Range:	-40°C To +105°C
UL Temp Rating:	105°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	11.3 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
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
1333A 0031000	ORANGE	Reel	1000 ft

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