Product: 1360A

Fieldbus, 1 Pr #16 Str TC, PP Ins, OS, PVC Jkt, PLTC-ER, ITC-ER, c(UL)CMG

Request Sample

Product Description

Fieldbus, 1 Pair 16AWG (7x24H) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, Orange PVC Outer Jacket, PLTC-ER, ITC-ER, c(UL) CMG

Technical Specifications

Suitable Applications:	harsh environment digital and serial two-way communication, oil and gas extraction and refining sites, petrochemical, Profibus process automation or Foundation FieldBus process automation, extreme temperature enviornments, exposure to humidity/moisture, dust, and oil, remote locations long distance applications, etc.

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	16	7x24	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Pair(s)	PP - Polypropylene	0.029 in	Blue & Orange

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC	Foil In - with polyester wrap

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.065 in	0.40 in	Yes
		0.4 in	

Table Notes:	Jacket OD +/- 0.010
Cable Diameter (Nominal):	0.40 in

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Max. Capacitance Unbalance	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	4.2 Ohm/1000ft	45 pF/ft	1.2 pF/ft	100 Ohm	66%	8 Amps per Conductor

Nom Outer Shield DCR:	7.5 Ohm/1000ft

High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Pair(s)	0.039 MHz	0.08 dB/100ft

High Freq

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

Voltage

UL Voltage Rating
300 V (PLTC, CMG), 150 V (ITC)

Temperature

UL Rating	Operating
105°C	-40°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
4 in	4 in

Max. Pull Tension:	71 lbs
Bulk Cable Weight:	65 lbs/1000ft
Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Flammability / Fire Resistance:	UL1666 Riser, FT4, FT4, 1202, IEC 60332-1-2
NEC / UL Compliance:	Article 725, Article 727, Article 800, ITC-ER, PLTC-ER
CEC / C(UL) Compliance:	CMG
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Notes:	Fieldbus: Orange jacket. Profibus PA: Intrinsically Safe Blue jacket.
Update and Revision:	Revision Number: 0.385 Revision Date: 09-30-2020