

3106T Multi-Conductor - EIA Industrial RS-485 PLTC/CMG

For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, Datalene® insulation, twisted pairs, overall Beldfoil® shield (100% coverage) plus a tinned copper braid (65% coverage), drain wire, UV resistant LSZH jacket.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Conductors # Pairs AWG Stranding Conductor Material 1 1 22 7x30 TC - Tinned Copper	
Total Number of Conductors:	3
Insulation Insulation Material:	
Insulation Trade Name Insulation Material	
Datalene® FHDPE - Foam High Density Polyethyl	ene
Outer Shield	
Outer Shield Material: Layer # Outer Shield Trade Name Type Outer Shield Mater	rial Coverage (%)
1 Beldfoil® Tape Aluminum Foil-Polye	
2 Braid TC - Tinned Copper	
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Material	
22 7x30 TC - Tinned Copper	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material LSZH- Low Smoke Zero Halogen	
Overall Cable Overall Cabling Color Code Chart:	
Number Color	
1 White/Orange Stripe	
2 Orange/White Stripe	
3 Blue/White Stripe	
Overall Nominal Diameter:	0.300 in.
Pair	
Pair Lay Length & Direction:	
Lay Length (in.)	
3.000	
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	53 lbs/1000 ft.
Max. Recommended Pulling Tension:	65 lbs.
Min. Bend Radius/Minor Axis:	3 in.
Applicable Specifications and Agency Compliance	e (Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMG, PLTC
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
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 UL Loading
CSA Flame Test:	FT1
Suitability	
Sunlight Resistance:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	No
urface Printing (Overall)	
lectrical Characteristics (Overall)	
Nom. Characteristic Impedance:	
Description	
120	
Nom. Inductance:	
Inductance (µH/ft)	
203	
.203	
Nom. Capacitance Conductor to Conductor:	
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft)	
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 11.0	
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 11.0 Nom. Capacitance Cond. to Other Conductor & Shield:	
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