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1-800-Belden1



Description:

16 AWG stranded (19x29) tinned copper conductors, conductors cabled, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	16	19x29	TC - Tinned Copper

Insulation

Insulation Material:

Layer #	Insulation Material	Wall Thickness (mm)
1	PVC - Polyvinyl Chloride	0.3048
2	Nylon	0.1016

Insulation Resistance:

500 megohms/1000 ft. @ 500 VDC

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	90

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.6858

Overall Cabling

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (m.)
69.849725	1.31064

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black
3	Red
4	Green

Overall Nominal Diameter:

7.391 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 96.435 Kg/Km

Max. Recommended Pulling Tension: 540.901 N

Min. Bend Radius (Install)/Minor Axis: 69.850 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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):	10/01/2005
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
Military Specification:	MIL-W-16878E/17 (insulated conductor)

Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.354348

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
160.769

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
308.414

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
14.4364

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
14.4364

Max. Operating Voltage - UL:

Voltage
600 V RMS

Max. Recommended Current:

Current
6.5 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9954 009100	30 MT	3.493 KG	WHITE		4 #16 PVC/NY SHLD PVC
9954 0091000	305 MT	33.112 KG	WHITE	C	4 #16 PVC/NY SHLD PVC
9954 009500	152 MT	15.649 KG	WHITE	C	4 #16 PVC/NY SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

9954 Multi-Conductor - Communication and Instrumentation Cable

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