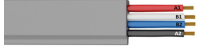


Product: [50095PVC](#) 



DeviceNet Flat Trunk Cable, 4C16AWG Str TC, PVC (Cores A) / FMPE (Cores B), PVC Jacket

Product Description

DeviceNet Flat Trunk Cable, 4C16AWG Str TC, PVC (Cores A) / FMPE (Cores B), PVC Jacket, CMG-FT4, 300V

Technical Specifications

Product Overview

Suitable Applications:	Class 2 (CL2) 4-conductor unshielded Flat Cable DeviceNet Trunk
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material
16	Stranded	TC - Tinned Copper

Conductor Count:	4
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Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor A	PVC - Polyvinyl Chloride	2.80 mm	0.65 mm
Conductor B	PE - Polyethylene (Foam)	2.80 mm	0.65 mm

Color Chart

Number	Color
Core A1	Red
Core A2	Black
Core B1	White
Core B2	Blue

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
14.6 Ohm/km

Capacitance

Element	Max. Capacitance Unbalance	Nom. Capacitance Conductor to Conductor
Cores B @500 KHz	1.2 pF/ft	14.7 pF/ft

Impedance

Frequency [MHz]	Nominal Characteristic Impedance
Cores B @500 KHz, 20°C	120 Ohm

Delay

Nominal Delay
1.61 ns/ft

Voltage

UL Voltage Rating

300 V

Temperature Range

Storage Temp Range:	-40°C To +85°C
Operating Temp Range:	-25°C To +75°C @ 8 amps, derate current linearly to zero at 80°C

Mechanical Characteristics

Flex Test: Min Number of Bends:	1000000
Flex Test: Description:	@ 4" radius
Max. Pull Tension:	90 lbs
Min. Bend Radius During Installation:	10 X Height
Min Bend Radius During Operation:	10 X Height
Min Flexing Radius:	101.6 mm

Standards

NEC/(UL) Compliance:	CL2, CMG
CEC/C(UL) Compliance:	CMG
CSA AWM Compliance:	AWM I/II A/B

Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
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Part Number

Variants

Item #	Color	Length
50095PVC 010075M	Black	75 m
50095PVC 010200M	Black	200 m
50095PVC 010420M	Black	420 m
50095PVC 006075M	Blue	75 m
50095PVC 006200M	Blue	200 m
50095PVC 006420M	Blue	420 m

History

Update and Revision:	Revision Number: 0.42 Revision Date: 09-10-2021
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