



3082K Flat - DeviceBus® for ODVA DeviceNet™

<p>Obsolete Call 1-800-BELDEN1</p>			<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

16 AWG stranded (19x29) tinned copper conductors, PVC insulation (Power), FPE insulation (Data), unshielded, sunlight-resistant PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	4
Total Number of Conductors	4
AWG	16
Stranding	19x29
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material :

Layer Number	Material Trade Name	Material	Wall Thickness (in.)	Diameter (in.)
		PVC - Polyvinyl Chloride (Power Pairs)		
		FPE - Foam Polyethylene (Data Pairs)		

Insulation Diameter .110 in.

PAIR:

Pair Color Code Chart :

Number	Color
Power Pair	Red & Black
Data Pair	Blue & White

OUTER SHIELD:

Outer Shield Material Unshielded

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .760 x .210 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -25°C To +75°C

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UL Temperature Rating	75°C
Max. Recommended Pulling Tension	160 lbs.
Min. Bend Radius (Install)	2.1 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMG, CL2, PLTC
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Other Specification	Product is fully compliant with the ODVA specification, and is compatible with the approved Allen Bradley KwikLink(TM) connectors.

FLAME TEST:

CSA Flame Test	FT4
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SUITABILITY:

Sunlight Resistance	Yes
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance :

Description	Nom. Characteristic Impedance (Ohms)
Data Pair	120

Nom. Capacitance Conductor to Conductor :

Description	Nom. Capacitance Conductor to Conductor (pF/ft)
Data Pair	14.7

Nominal Velocity of Propagation 75 %

Nominal Delay :

Description	Frequency	Nominal Delay (ns/ft)
Data Pair		1.6

Nom. Conductor DC Resistance @ 20 Deg. C 4.9 Ohms/1000 ft

Max. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
Data Pair	.125			.13
Data Pair	.500			.25
Data Pair	1.000			.40

Max. Operating Voltage - UL 300 V RMS

Max. Recommended Current 4 Amps per conductor @ 24 V per NEC CL2 (Power Pair)

NOTES:

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Notes

ODVA DeviceNet is an Open DeviceNet Vendor Association, Inc. trademark.
KwikLink(TM) is a trademark of Rockwell Automation, Inc.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3082K T5U1378	4 #16 PVC/FRPE FLAT DEVICENET	1378	165.36	GRAY T5U	C
3082K T5U246	4 #16 PVC/FRPE FLAT DEVICENET	246	30.75	GRAY T5U	C
3082K T5U656	4 #16 PVC/FRPE FLAT DEVICENET	656	78.72	GRAY T5U	C

C = CRATE REEL PUT-UP.

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