

## DeviceNet™



**Cable characteristics:**




- Flame retardant
- Sunlight resistant
- Oil resistant
- Cold resistant
- Highly flexible
- Permanent installation
- Trailing cable
- Halogen free
- Silicon free
- Compliant acc. to 2011/65/EC (RoHS2)



Using our **product finder** you can find appropriate solutions for your application.

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[www.odva.org](http://www.odva.org)

 <p><b>DeviceNet™</b></p>	 <p><b>DeviceNet™</b></p>	 <p><b>DeviceNet™</b></p>	
<p>[ a ] Thick cable for permanent installation [ b ] Economy thick cable for permanent installation 2x18AWG + 2x15AWG UL listed: CMG and PLTC</p>	<p>[ a ] Thin cable for permanent installation [ b ] Economy thin cable for permanent installation 2x23AWG + 2x22AWG, UL listed: CMG and CL2</p>	<p>Thick cable for permanent installation 2x18AWG + 2x15AWG UL listed: CMG and PLTC</p>	<b>Application</b>
<p><b>Data pair 02YS 1.3/3.8</b> Stranded tinned copper wire 19x0.25 mm (0.010 in), Ø 1.3 mm (0.051 in), insulation of foamed PE with skin Ø 3.8 mm (0.150 in), 2 wires side by side, alulminate foil overlapped</p> <p><b>Power pair LIY</b> Stranded tinned copper wire 19x0.34 mm (0.013 in), Ø 1.7 mm (0.067 in), insulation of PVC Ø 2.7 mm (0.106 in), 2 wires side by side, alulminate foil overlapped</p>	<p><b>Data pair 02YS 0.67/1.9</b> Stranded tinned copper wire 19x0.13 mm (0.005 in), Ø 0.67 mm (0.026 in), insulation of foamed PE with skin Ø 1.9 mm (0.075 in), 2 wires side by side, alulminate foil overlapped</p> <p><b>Power pair LIY</b> Stranded tinned copper wire 19x0.16 mm (0.006 in), Ø 0.75 mm (0.030 in), insulation of PVC Ø 1.4 mm (0.055 in), 2 wires side by side, alulminate foil overlapped</p>	<p><b>Data pair 02YS 1.3/3.8</b> Stranded tinned copper wire 19x0.25 mm (0.010 in), Ø 1.3 mm (0.051 in), insulation of foamed PE with skin Ø 3.8 mm (0.150 in), 2 wires side by side, alulminate foil overlapped</p> <p><b>Power pair LI2Y</b> Stranded tinned copper wire 19x0.34 mm(0.013 in), Ø 1.7 mm (0.067 in), insulation of PE Ø 2.7 mm (0.106 in), 2 wires side by side, alulminate foil overlapped</p>	<b>Conductor</b>
<p><b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair</p>	<p><b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair</p>	<p><b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair</p>	<b>Core</b>
<p>Shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)</p>	<p>Shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)</p>	<p>Shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)</p>	<b>Shield</b>
<p>PVC grey [ a ] Ø 12.2 ± 0.3 mm (0.480 ± 0.012 in) [ b ] Ø 11.0 ± 0.5 mm (0.433 ± 0.020 in)</p>	<p>PVC grey [ a ] Ø 6.9 ± 0.3 mm (0.272 ± 0.012 in) [ b ] Ø 6.4 ± 0.3 mm (0.252 ± 0.012 in)</p>	<p>Thermoplastic copolymer (FRNC) violet Ø 12.2 ± 0.3 mm (0.480 ± 0.012 in)</p>	<b>Jacket</b>
<p>Flame retardant acc. to UL 1685 (CSA FT 4), sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, UL-File E119100 Vol. 1 Sec. 17 Page 3, UL-File E116441 Vol. 1 Sec. 7 Page 3 [ a ] additional: oil resistant acc. to UL 13 Sec. 40 (60 °C, 140 °F)</p>	<p>Flame retardant acc. to UL 1685 (CSA FT 4), sunlight resistant acc. to UL 2556 4.2.8.5, UL-File E119100 Vol. 1 Sec. 17 Page 4, UL-File E116441 Vol. 1 Sec. 7 Page 4 [ a ] additional: oil resistant acc. to UL 13 Sec. 40 (60 °C, 140 °F)</p>	<p>Flame retardant acc. to UL 1685 (CSA FT 4), halogen free acc. to IEC 60754, sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, UL-File E119100 Vol. 1 Sec. 17 Page 3, UL-File E116441 Vol. 1 Sec. 7 Page 3</p>	<b>Characteristics</b>
<p>02YS 1x2x1.3/3.8-120 LI VZN PIMF LIY CY 1x2x1.5 VZN PIMF GR</p>	<p>[ a ] 02YS 1x2x0.67/1.9-120 LI VZN PIMF LIY CY 1x2x0.38 VZN PIMF GR [ b ] 02YS 1x2x0.67/1.9-120 LI VZN PIMF LIY CY 1x2x0.38 VZN PIMF GR</p>	<p>02YS 1x2x1.3/3.8-120 LI VZN PIMF LI2Y CH 1x2x1.5 VZN PIMF VI FRNC</p>	<b>Type designation</b>
<p>[ a ] L45467-F21-W5 [ b ] L45467-F21-W55</p>	<p>[ a ] L45467-F16-W5 [ b ] L45467-F16-W55</p>	<p>L45467-F21-W6</p>	<b>Order number</b>



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<b>Application</b>	Thin cable for permanent installation (FRNC) 2x23AWG + 2x22AWG UL listed: CMG and CL2	[ a ] Thick cable for high flexible installation [ b ] Economy thick cable for high flexible installation 2x18AWG + 2x15AWG, UL listed: CMG and PLTC	[ a ] Thin cable for high flexible installation [ b ] Economy thin cable for high flexible installation 2x23AWG + 2x22AWG, UL listed: CMG and CL2
<b>Conductor</b>	<b>Data pair 02YS 0.67/1.9</b> Stranded tinned copper wire 19x0.13 mm (0.005 in), Ø 0.67 mm (0.026 in), insulation of foamed PE with skin Ø 1.9 mm (0.075 in), 2 wires side by side, alulamine foil overlapped  <b>Power pair LI2Y</b> Stranded tinned copper wire 19x0.16 mm (0.006 in), Ø 0.75 mm (0.030 in), insulation of PE Ø 1.4 mm (0.055 in), 2 wires side by side, alulamine foil overlapped	<b>Data pair 02YS 1.3/3.8</b> Stranded tinned copper wire 40x0.18 mm (0.007 in), Ø 1.3 mm (0.051 in), insulation of foamed PE with skin Ø 3.8 mm (0.150 in), 2 wires side by side, alulamine foil overlapped  <b>Power pair LIY</b> Stranded tinned copper wire 84x0.16 mm (0.006 in), Ø 1.7 mm (0.067 in), insulation of PVC Ø 2.7 mm (0.106 in), 2 wires side by side, alulamine foil overlapped	<b>Data pair 02YS 0.67/1.9</b> Stranded tinned copper wire 19x0.13 mm (0.005 in), Ø 0.67 mm (0.026 in), insulation of foamed PE with skin Ø 1.9 mm (0.075 in), 2 wires side by side, alulamine foil overlapped  <b>Power pair LIY</b> Stranded tinned copper wire 19x0.16 mm (0.006 in), Ø 0.75 mm (0.030 in), insulation of PVC Ø 1.4 mm (0.055 in), 2 wires side by side, alulamine foil overlapped
<b>Core</b>	<b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair	<b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair	<b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair
<b>Shield</b>	Shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)	Plastic tape conductive, shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)	Plastic tape conductive, shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)
<b>Jacket</b>	Thermoplastic copolymer (FRNC) violet Ø 6.9 ± 0.3 mm (0.272 ± 0.012 in)	PVC grey [ a ] Ø 12.2 ± 0.3 mm (0.480 ± 0.012 in) [ b ] Ø 11.4 ± 0.3 mm (0.449 ± 0.012 in)	PVC grey [ a ] Ø 6.9 ± 0.3 mm (0.272 ± 0.012 in) [ b ] Ø 6.8 ± 0.3 mm (0.268 ± 0.012 in)
<b>Characteristics</b>	Flame retardant acc. to IEC 60332-1-2, halogen free acc. to IEC 60754, sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, UL-File E119100 Vol. 1 Sec. 17 Page 4, UL-File E116441 Vol. 1 Sec. 7 Page 4	Flame retardant acc. to UL 1685 (CSA FT 4), sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, UL-File E119100 Vol. 1 Sec. 17 Page 3, UL-File E116441 Vol. 1 Sec. 7 Page 3 [ a ] additional: oil resistant acc. to UL 13 Sec. 40 (60°C, 140°F)	Flame retardant acc. to UL 1685 (CSA FT 4), sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, UL-File E119100 Vol. 1 Sec. 17 Page 4, UL-File E116441 Vol. 1 Sec. 7 Page 4, [ a ] additional: oil resistant acc. to UL 13 Sec. 40 (60°C, 140°F)
<b>Type designation</b>	02YS 1x2x0.67/1.9-120 LI VZN PIMF LI2Y CH 1x2x0.38 VZN PIMF VI FRNC	[ a ] 02YS 1x2x1.3/3.8-120 LI VZN PIMF LIY CY 1x2x1.5 VZN PIMF GR [ b ] 02YS 1x2x1.3/3.8-120 LI VZN PIMF LIY CY 1x2x1.5 VZN PIMF GR	[ a ] 02YS 1x2x0.67/1.9-120 LI VZN PIMF LIY CY 1x2x0.38 VZN PIMF GR, [ b ] 02YS 1x2x0.67/1.9-120 LI VZN PIMF LIY CY 1x2x0.38 VZN PIMF GR
<b>Order number</b>	L45467-F16-W6	[ a ] L45467-F21-W15 [ b ] L45467-F21-W65	[ a ] L45467-F16-W15 [ b ] L45467-F16-W65

 <p><b>DeviceNet™</b></p>	 <p><b>DeviceNet™</b></p>	
<p>Thick cable for high flexible installation 2x18AWG + 2x15AWG UL listed: CMX and CL2X</p>	<p>Thin cable for high flexible installation 2x23AWG + 2x22AWG UL listed: CMX and CL2X</p>	<b>Application</b>
<p><b>Data pair 02YS 1.3/3.8</b> Stranded tinned copper wire 40x0.18 mm (0.007 in), Ø 1.3 mm (0.051 in), insulation of foamed PE with skin Ø 3.8 mm (0.150 in), 2 wires side by side, alulamine foil overlapped</p> <p><b>Power pair LI2Y</b> Stranded tinned copper wire 84x0.16 mm (0.006 in), Ø 1.7 mm (0.067 in), insulation of PE Ø 2.7 mm (0.106 in), 2 wires side by side, alulamine foil overlapped</p>	<p><b>Data pair 02YS 0.67/1.9</b> Stranded tinned copper wire 19x0.13 mm (0.005 in), Ø 0.67 mm (0.026 in), insulation of foamed PE with skin Ø 1.9 mm (0.075 in), 2 wires side by side, alulamine foil overlapped</p> <p><b>Power pair LI2Y</b> Stranded tinned copper wire 19x0.16 mm (0.006 in), Ø 0.75 mm (0.030 in), insulation of PE Ø 1.4 mm (0.055 in), 2 wires side by side, alulamine foil overlapped</p>	<b>Conductor</b>
<p><b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair</p>	<p><b>Central element</b> Stranded tinned copper drain wire, 1 data pair, 1 power pair</p>	<b>Core</b>
<p>Plastic tape conductive, shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)</p>	<p>Plastic tape conductive, shield braiding of tinned copper wires Ø 0.13 mm (0.005 in)</p>	<b>Shield</b>
<p>TPU violet Ø 12.2 ± 0.3 mm (0.480 ± 0.012 in)</p>	<p>TPU violet Ø 6.9 ± 0.3 mm (0.272 ± 0.012 in)</p>	<b>Jacket</b>
<p>Flame retardant acc. to 2556 Sec. 9.4 (VW-1), halogen free acc. to IEC 60754, sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, oil resistant acc. to UL 13 Sec. 40 (60°C, 140°F), UL-File E119100 Vol. 1 Sec. 17 Page 1, UL-File E116441 Vol. 1 Sec. 7 Page 1</p>	<p>Flame retardant acc. to UL 2556 Sec. 9.4 (VW-1), halogen free acc. to IEC 60754, sunlight resistant acc. to UL 2556 Sec. 4.2.8.5, oil resistant acc. to UL 13 Sec. 40 (60°C, 140°F), UL-File E119100 Vol. 1 Sec. 17 Page 2, UL-File E116441 Vol. 1 Sec. 7 Page 2</p>	<b>Characteristics</b>
<p>02YS 1x2x1.3/3.8-120 LI VZN PIMF LI2Y C11Y 1x2x1.5 VZN PIMF VI FRNC</p>	<p>02YS 1x2x0.67/1.9-120 LI VZN PIMF LI2Y C11Y 1x2x0.38 VZN PIMF VI FRNC</p>	<b>Type designation</b>
<p><b>L45467-F21-W8</b></p>	<p><b>L45467-F16-W8</b></p>	<b>Order number</b>