Southwire
CABLETECH SUPPORT™
Services CableTechSupport@southwire.com

Automotive Lead Wire --- TXL
Bare Copper, XLPE

Specifications

* SAE J1128: Low Voltage Primary Cable
* Meets Ford ESB-M1L123-A
* Meets Chrysler MS-8288
* ASTM B3: Soft or Annealed Copper Wire

Other standards may also apply. See footnotes for details.

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Bunch-stranded bare copper
2) Insulation: Cross-linked polyethylene (XLPE)

Tinned copper also available.
All colors available. Striping options also available.

Applications and Features

For use in automotive applications requiring flexibility in tight spaces and reliability in high temperatures. Moisture, oil, gas, and abrasion resistant. Rated for temperatures from -40°C to 125°C. Intended for use at a nominal system voltage of 60 Volts DC (25 V AC) or less in surface vehicle electrical systems.

Print Legend

Stock Code	Conductor Size	Number of Strands	Insulation Thickness	Nominal Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb. / 1,000'
F22009[AB]	22	7	16	0.062	4.0
F22056	22	7	16	0.062	4.0
F22132	22	7	16	0.062	4.0
F22138[A]	22	19	16	0.062	4.0
F20023	20	7	16	0.070	5.5
F20156	20	7	16	0.070	5.5
F20162[ABC]	20	7	16	0.068	5.5
F20205[D]	20	7	16	0.070	5.5
F20247[A]	20	7	16	0.073	6.0

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

A - Does not meet Ford ESB-M1L123-A
B - Does not meet Chrysler MS-8288
C - Meets Delphi M-3075
D - Meets Lear UTMS 12501

Cust. Spec Approval: _____

Drn/Chk By:	RK	Req By:		12/19/2022
Ticket #:		Drawing #:	RK9600	Rev: 2

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Other standards may also apply. See footnotes for details.

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Bunch-stranded bare copper
2) Insulation: Cross-linked polyethylene (XLPE)

Tinned copper also available.
All colors available. Striping options also available.

Applications and Features

For use in automotive applications requiring flexibility in tight spaces and reliability in high temperatures. Moisture, oil, gas, and abrasion resistant. Rated for temperatures from -40°C to 125°C. Intended for use at a nominal system voltage of 60 Volts DC (25 V AC) or less in surface vehicle electrical systems.

Print Legend

Stock Code	Conductor Size	Number of Strands	Insulation Thickness	Nominal Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb. / 1,000'
F20163[AB]	20	41	16	0.070	5.0
F20267	20	7	16	0.070	5.5
F20272	20	7	16	0.070	5.5
F20280	20	7	16	0.070	5.5
F20121[AB]	20	19	16	0.070	5.5
F18489[ABEFG]	18	7	16	0.076	7.0
F18023[B]	18	16	16	0.078	7.5
F18398[B]	18	16	16	0.078	7.5
F20148[AB]	20	41	16	0.068	8.0

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

A - Does not meet Ford ESB-M1L123-A
B - Does not meet Chrysler MS-8288
E - Does not meet SAE J1128
F - Meets Delphi M-3099
G - Rated up to 135°C

Cust. Spec Approval: _____

Drn/Chk By:	RK	Req By:		12/19/2022
Ticket #:		Drawing #:	RK9602	Rev: 2

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* Meets Ford ESB-M1L123-A
* Meets Chrysler MS-8288
* ASTM B3: Soft or Annealed Copper Wire

Other standards may also apply. See footnotes for details.

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Bunch-stranded bare copper
2) Insulation: Cross-linked polyethylene (XLPE)

Tinned copper also available.
All colors available. Striping options also available.

Applications and Features

For use in automotive applications requiring flexibility in tight spaces and reliability in high temperatures. Moisture, oil, gas, and abrasion resistant. Rated for temperatures from -40°C to 125°C. Intended for use at a nominal system voltage of 60 Volts DC (25 V AC) or less in surface vehicle electrical systems.

Print Legend

Stock Code	Conductor Size	Number of Strands	Insulation Thickness	Nominal Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb. / 1,000'
F18623	18	16	16	0.078	7.5
F18641[B]	18	16	16	0.078	7.5
F18025	18	19	16	0.078	7.5
F18435	18	19	16	0.078	7.5
F18459	18	19	16	0.078	7.5
F18643	18	19	16	0.078	7.5
F18548[A]	18	41	16	0.078	7.5
F16019	16	19	16	0.089	10.0
F16286	16	19	16	0.089	10.0

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

A - Does not meet Ford ESB-M1L123-A
B - Does not meet Chrysler MS-8288

Cust. Spec Approval: _____

Drn/Chk By:	RK	Req By:		12/19/2022
Ticket #:		Drawing #:	RK9603	Rev: 2

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* Meets Ford ESB-M1L123-A
* Meets Chrysler MS-8288
* ASTM B3: Soft or Annealed Copper Wire

Other standards may also apply. See footnotes for details.

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Bunch-stranded bare copper
2) Insulation: Cross-linked polyethylene (XLPE)

Tinned copper also available.
All colors available. Striping options also available.

Applications and Features

For use in automotive applications requiring flexibility in tight spaces and reliability in high temperatures. Moisture, oil, gas, and abrasion resistant. Rated for temperatures from -40°C to 125°C. Intended for use at a nominal system voltage of 60 Volts DC (25 V AC) or less in surface vehicle electrical systems.

Print Legend

For F14180 only:
CF 14 AWG SAE J1128 TYPE TXL 125C

Stock Code	Conductor Size	Number of Strands	Insulation Thickness	Nominal Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb. / 1,000'
F16321	16	19	16	0.089	10.0
F16353	16	19	16	0.089	10.0
F16418	16	19	16	0.089	10.0
F16437	16	19	16	0.089	10.0
F14023	14	19	16	0.103	15.0
F14180	14	19	16	0.102	15.0
F14242	14	19	16	0.102	15.0
F14259	14	19	16	0.102	15.0
F14553	14	19	16	0.102	15.0

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

Cust. Spec Approval: _____

Drn/Chk By:	RK	Req By:		12/19/2022
Ticket #:		Drawing #:	RK9604	Rev: 2

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* Meets Ford ESB-M1L123-A
* Meets Chrysler MS-8288
* ASTM B3: Soft or Annealed Copper Wire

Other standards may also apply. See footnotes for details.

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Bunch-stranded bare copper
2) Insulation: Cross-linked polyethylene (XLPE)

Tinned copper also available.
All colors available. Striping options also available.

Applications and Features

For use in automotive applications requiring flexibility in tight spaces and reliability in high temperatures. Moisture, oil, gas, and abrasion resistant. Rated for temperatures from -40°C to 125°C. Intended for use at a nominal system voltage of 60 Volts DC (25 V AC) or less in surface vehicle electrical systems.

Print Legend

Stock Code	Conductor Size	Number of Strands	Insulation Thickness	Nominal Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb. / 1,000'
F14570	14	19	16	0.102	15.0
F14598[AB]	14	41	16	0.103	16.0
F12214[ABC]	12	19	18	0.123	23.0
F12015	12	19	18	0.127	23.5
F12180	12	19	18	0.127	23.5
F12193[A]	12	65	19	0.127	25.0
F10048	10	19	20	0.155	36.0
F10153	10	19	20	0.155	36.0

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

A - Does not meet Ford ESB-M1L123-A
B - Does not meet Chrysler MS-8288
C - Meets Delphi M-3075

Cust. Spec Approval: _____

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Ticket #:		Drawing #:	RK9605	Rev: 2

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Specifications

* SAE J1128: Low Voltage Primary Cable
* Meets Ford ESB-M1L123-A
* Meets Chrysler MS-8288
* ASTM B3: Soft or Annealed Copper Wire

Other standards may also apply. See footnotes for details.

Cable image is for reference only and does not depict actual cable construction

Construction

1) Conductor: Bunch-stranded bare copper
2) Separator: Paper separator for ease of stripability
3) Insulation: Cross-linked polyethylene (XLPE)

Tinned copper also available.
All colors available. Striping options also available.

Applications and Features

For use in automotive applications requiring flexibility in tight spaces and reliability in high temperatures. Moisture, oil, gas, and abrasion resistant. Rated for temperatures from -40°C to 125°C. Intended for use at a nominal system voltage of 60 Volts DC (25 V AC) or less in surface vehicle electrical systems.

Print Legend

Stock Code	Conductor Size	Number of Strands	Insulation Thickness	Nominal Overall OD	Approx. Weight
-	AWG	-	mils	inches	lb. / 1,000'
F08061[A]	8	19	22	0.191	56.0
F08182[AB]	8	133	22	0.191	59.5
F08141[AB]	8	37	22	0.185	60.0

* Dimensions are nominal and subject to normal manufacturing tolerances.
* Sample print legend, actual may vary.

A - Does not meet Ford ESB-M1L123-A
B - Does not meet Chrysler MS-8288

Cust. Spec Approval: _____

Drn/Chk By:	RK	Req By:		12/19/2022
Ticket #:		Drawing #:	RK9606	Rev: 2

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