

Lake Cable Part #: CNB181PR186TXL/TPE

Description: Two element composite cable with and an overall TPE jacket for 105°C rated applications.

- 18 AWG 1PR 19STR BC Unshielded CanBus SAE J1939/15
- 18 AWG 6C 19STR BC Unshielded SAE J1128 TXL

Element 1: 18 AWG 1PR 19STR BC Unshielded CanBus SAE J1939/15

1. Conductor
 - 1.1. AWG Size & Stranding: 18 AWG 19 Strands Class C
 - 1.2. Material: Annealed Bare Copper
 - 1.3. Conductor Count: 1 Pair
2. Insulation
 - 2.1. Material: Foamed Cross Linked Polyethylene
 - 2.2. Wall Thickness: 0.019"
 - 2.3. Color code: Yellow x Green
 - 2.4. Insulated Diameter: 0.085" ± 0.002"
3. Pair Assembly
 - 3.1. Cable Lay Length: 1.50" LHL (8.00 tw/ft)
4. Electrical Characteristics
 - 4.1. Impedance: 120 Ω ± 15%
 - 4.2. Capacitance: 11.5 pF/ft
 - 4.3. DC Resistance: 6.4 Ω/Mft @ 20°C

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature _____

Company _____

Date _____

Element 2: 18 AWG 6C 19STR BC Unshielded SAE J1128 TXL

5. Conductor
 - 5.1. AWG Size & Stranding: 18 AWG 19 Strands Class C
 - 5.2. Material: Annealed Bare Copper
 - 5.3. Conductor Count: 6 Conductors
6. Insulation
 - 6.1. Material: Cross Linked Polyethylene
 - 6.2. Wall Thickness: 0.016"
 - 6.3. Color code: Red, Black, White, Blue, Brown, Orange
7. Assembly
 - 7.1. Cable Lay Length: 3.50" LHL (3.43 tw/ft)
 - 7.2. Fillers: Fibrillated Polypropylene - as Necessary for a Circular Cross-Section
 - 7.3. Shield: Clear Mylar Tape Wrap - 100% Coverage

Information on this specification is subject to change without notice.
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Cell: (262) 339-0461
Sales: (877) 613-4392
jkiser@iewc.com
www.iewc.com

5001 S. Towne Drive
New Berlin, WI 53151-795

JERRY KISER
Sr. Sales Engineer



Specification Sheet

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8. Jacket

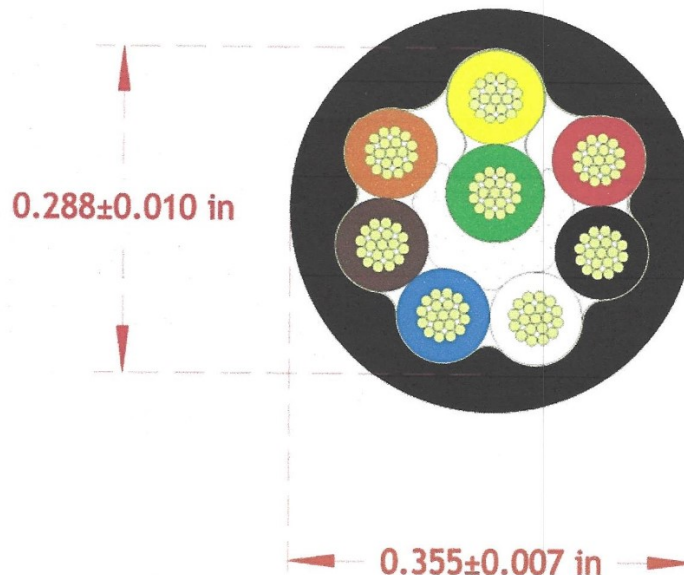
- 8.1. Material: Pressure Thermoplastic Elastomer / 105°C, Oil & UV Resistant
- 8.2. Convolution Level: 3 or Better
- 8.3. Wall thickness: 0.034"
- 8.4. Diameter: 0.355" ± 0.007"
- 8.5. Color: Black
- 8.6. Ripcord: No
- 8.7. Weight: 92 Lbs/Mft

9. Markings

- 9.1. Type: Cable permanently identified via surface inkjet print
- 9.2. Legend: 105C 18AWG 1PR CANBUS SAE 1939-15 + 18AWG 6C
- 9.3. Footage Markers: N/A

10. Standards

- 10.1. Cable meets SAE J1939/15 electrical characteristics and SAE J1128 for fluid and flame characteristics
- 10.2. Cable is suitable for OIL and Sunlight resistant applications
- 10.3. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
- 10.4. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated January 15, 2019
- 10.5. Made in the USA
- 10.6. ⚠️ **WARNING:** This product may contain chemicals, such as Vinyl Chloride, known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov. Wash hands after handling



ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION