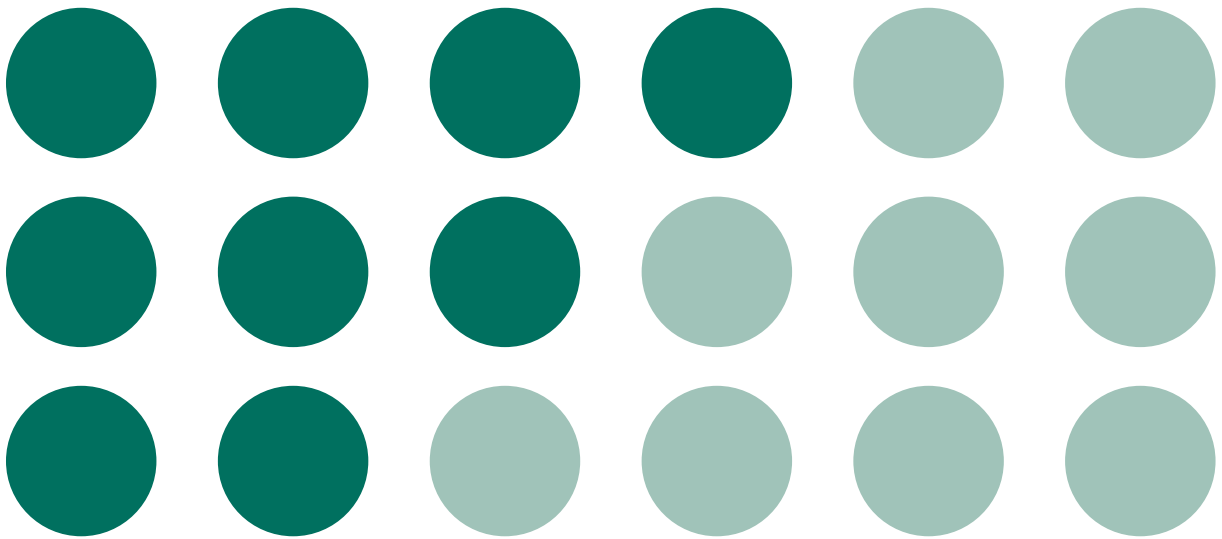
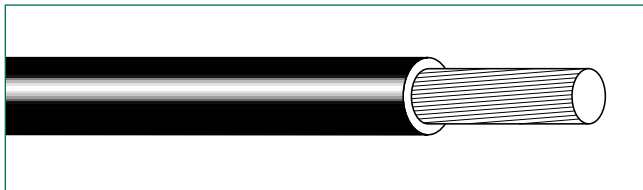


Single Core Cables



PVC Single Core Cables • • • • • • • • • •

H05V-K /H07V-K



Application

This range of Anixter cables is designed for general purpose wiring applications where greater flexibility is required for installation.

Specifications

| | | | |
|--------------------------|--|----------------------------|---|
| Conductors: | Flexible copper (class 5) | Temperature Rating: | -5°C minimum operating temperature |
| Insulation: | PVC | | +70°C maximum conductor operating temperature |
| Standards: | HAR CENELEC | Voltage Rating: | 300/500 - 450/750 volts |
| Fire Performance: | Flame retardant to IEC 60332-2 (up to and including 1.0mm ²) and IEC 60332-1 (above 1.0mm ²) | | |

| Anixter Part Number | Nominal Conductor Area mm ² | Overall Diameter mm | Approximate Weight kg/km |
|------------------------|--|---------------------|--------------------------|
| H05V-K 300/500V | | | |
| HCN-K1-B-##-P100 | 0.75 | 2.3 | 11 |
| HCN-K1-C-##-P100 | 1 | 2.5 | 13 |
| H07V-K 450/750V | | | |
| HDN-K1-D-##-P100 | 1.5 | 3.0 | 20 |
| HDN-K1-E-##-P100 | 2.5 | 3.6 | 30 |
| HDN-K1-F-##-P100 | 4 | 4.1 | 44 |
| HDN-K1-G-##-P100 | 6 | 4.7 | 63 |
| HDN-K1-H-##-P100 | 10 | 6.1 | 109 |
| HDN-K1-I-##-P100 | 16 | 7.1 | 160 |
| HDN-K1-J-##-P100 | 25 | 8.8 | 251 |
| HDN-K1-K-## | 35 | 10.2 | 343 |
| HDN-K1-L-## | 50 | 12.0 | 485 |
| HDN-K1-M-## | 70 | 13.8 | 673 |
| HDN-K1-N-## | 95 | 15.9 | 885 |
| HDN-K1-P-## | 120 | 17.5 | 1103 |
| HDN-K1-Q-## | 150 | 19.5 | 1388 |

Insert appropriate suffix for required colour of core:

- | | | | | | |
|-------------|------------|-------------|-----------|-------------------|--------------------|
| 01 = White | 02 = Black | 03 = Red | 06 = Blue | 06D = Dark Blue | 07 = Brown |
| 08 = Orange | 09 = Grey | 10 = Violet | 12 = Pink | 60 = Green/Yellow | xx = Other colours |

Conversion table: See Technical Information section.
Other cable constructions are available on request.

PVC Single Core Cables *continued* • • • • • • • • • •

TRI-RATED



Application

This range of multi-standard cables is ideal for internal and external wiring in fixed installations of electric and electronic components in switch gear cabinets. These cables are internationally recognised.

Specifications

Conductors: Flexible copper (class 5)

Insulation: PVC

Standards: UL / CSA
BS / H07V2-K

Fire Performance: Flame retardant to IEC 60332-2 (up to and including 1.0mm²) and IEC 60332-1 (above 1.0mm²)

Temperature Rating: -5°C minimum operating temperature
+90°C (+105°C UL CSA) maximum conductor operating temperature

Voltage Rating:

| | |
|--------------|--|
| UL AWM | Section 0.5 to 240mm ² 600V |
| CSA-TEW | Section 0.5 to 120mm ² 600V |
| BS – type CK | Section 0.5 to 240mm ² 600V/1000V |
| H05/7V2-K | Section 0.75 to 1mm ² 300V/500V Section 0.75 to 1.5mm ² 450V/750V |

| Anixter Part Number | Nominal Conductor Area mm ² | Nominal Conductor Size AWG | Overall Diameter mm | Approximate Weight kg/km | UL Style |
|---------------------|--|----------------------------|---------------------|--------------------------|----------|
| Tri-Rated | | | | | |
| A9-A01-1016-## | 0.5 | 20 | 2.6 | 9 | UL1015 |
| A9-A01-1024-## | 0.75 | - | 2.8 | 11 | UL1015 |
| A9-A01-1032-## | 1 | 18 | 3.0 | 13 | UL1015 |
| A9-A01-1030-## | 1.5 | 16 | 3.3 | 20 | UL1015 |
| A9-A01-1050-## | 2.5 | 14 | 3.7 | 30 | UL1015 |
| A9-A01-1056-## | 4 | 12 | 4.4 | 44 | UL1015 |
| A9-A01-1084-## | 6 | 10 | 5.1 | 63 | UL1015 |
| A9-A01-1080-## | 10 | 8 | 6.9 | 109 | UL1028 |
| A9-A01-1012-## | 16 | 6 | 8.6 | 160 | UL1283 |
| A9-A01-1019-## | 25 | 4 | 10.5 | 251 | UL1283 |
| A9-A01-1027-## | 35 | 2 | 11.9 | 343 | UL1283 |
| A9-A01-1039-## | 50 | 1 | 14.4 | 485 | UL1284 |
| A9-A01-1036-## | 70 | 2/0 | 16.7 | 673 | UL1284 |
| A9-A01-1047-## | 95 | 3/0 | 19.0 | 885 | UL1284 |
| A9-A01-1060-## | 120 | 4/0 | 20.5 | 1103 | UL1284 |
| - | 150 | 250MCM | - | 1388 | UL1284 |

Insert appropriate suffix for required colour of core:

01 = White

02 = Black

03 = Red

06 = Blue

06D = Dark Blue

07 = Brown

08 = Orange

09 = Grey

10 = Violet

12 = Pink

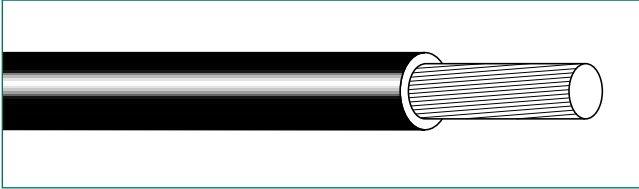
60 = Green/Yellow

xx = Other colours

Conversion table: See Technical Information section.
Other cable constructions are available on request.

LSZH Single Core Cables • • • • • • • • • •

A05Z-K AND H07Z-K



Application

For use in applications where greater flexibility is required to assist installation. Incorporates LSZH insulation for use in areas where fire would create dense smoke and toxic fumes causing a threat to life and equipment.

Specifications

| | | | |
|--------------------|---------------------------|----------------------------|--|
| Conductor: | Flexible copper (class 5) | Fire Performance: | Flame retardant to IEC 60332-2 (up to 1 mm ²) and IEC 60332-1 (1.5mm ² and above) |
| Insulation: | LSZH EI.5 | Temperature Rating: | +90°C maximum conductor operating temperature |
| Standards: | HAR CENELEC BS 7211 | Voltage Rating: | 300/500 - 450/750 volts |

| Anixter Part Number | Nominal Conductor Area mm ² | Overall Diameter mm | Approximate Weight kg/km |
|------------------------|--|---------------------|--------------------------|
| A05Z-K 300/500V | | | |
| A3BS-0005-## | 0.5 | 2.6 | 10 |
| A3BS-0007-## | 0.75 | 2.8 | 13 |
| A3BS-0010-## | 1 | 2.9 | 16 |
| H07Z-K 450/750V | | | |
| A3BS-0015-## | 1.5 | 3.5 | 22 |
| A3BS-0025-## | 2.5 | 4.3 | 33 |
| A3BS-0040-## | 4 | 4.9 | 49 |
| A3BS-0060-## | 6 | 5.5 | 69 |
| A3BS-0100-## | 10 | 7.1 | 116 |
| A3BS-0160-## | 16 | 8.4 | 175 |
| A3BS-0250-## | 25 | 10.6 | 273 |
| A3BS-0350-## | 35 | 12.1 | 367 |
| A3BS-0500-## | 50 | 14.4 | 474 |
| A3BS-0700-## | 70 | 16.6 | 749 |
| A3BS-0950-## | 95 | 18.8 | 987 |

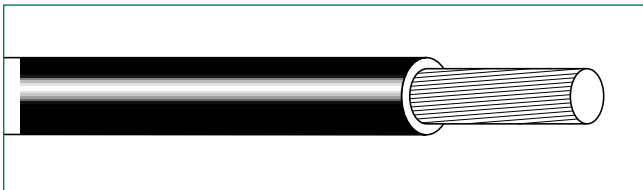
Insert appropriate suffix for required colour of core:

- | | | | | | |
|-------------|------------|-------------|-----------|-------------------|--------------------|
| 01 = White | 02 = Black | 03 = Red | 06 = Blue | 06D = Dark Blue | 07 = Brown |
| 08 = Orange | 09 = Grey | 10 = Violet | 12 = Pink | 60 = Green/Yellow | xx = Other colours |

Conversion table: See Technical Information section. Other cable constructions are available on request.

LSZH Single Core Cables *continued* • • • • • • • • • •

H07Z-R1



Application

Anixter's range of LSZH insulated cables is suitable for fixed wiring purposes. They can be used in trunking or conduit, or may be surface mounted when used for earthing. These cables are designed for use in areas where fire would create dense smoke and toxic fumes causing a threat to life and equipment.

Specifications

| | | | |
|--------------------|---------------------------|----------------------------|--|
| Conductors: | Stranded Copper (class 2) | Fire Performance: | Flame retardant to IEC 60332-2 (up to 1 mm ²) and IEC 60332-1 (1.5mm ² and above) |
| Insulation: | LSZH EI.5 | Temperature Rating: | +90°C maximum conductor operating temperature |
| Standards: | HAR CENELEC BS 7211 | Voltage Rating: | 450/750 volts |

| Anixter Part Number | Nominal Conductor Area mm ² | Overall Diameter mm | Approximate Weight kg/km |
|---------------------|--|---------------------|--------------------------|
| H07Z-R1 450/750V | | | |
| A3BT-0015-## | 1.5 | 3.4 | 22 |
| A3BT-0025-## | 2.5 | 4.1 | 33 |
| A3BT-0040-## | 4 | 4.7 | 49 |
| A3BT-0060-## | 6 | 5.4 | 69 |
| A3BT-0100-## | 10 | 7.0 | 116 |
| A3BT-0160-## | 16 | 8.0 | 175 |
| A3BT-0250-## | 25 | 10.1 | 273 |
| A3BT-0350-## | 35 | 11.3 | 367 |
| A3BT-0500-## | 50 | 13.2 | 495 |
| A3BT-0700-## | 70 | 15.1 | 699 |
| A3BT-0950-## | 95 | 17.6 | 968 |
| A3BT-1200-## | 120 | 19.4 | 1164 |
| A3BT-1500-## | 150 | 21.6 | 1413 |
| A3BT-1850-## | 185 | 24.6 | 1828 |
| A3BT-0240-## | 240 | 27.5 | 2320 |

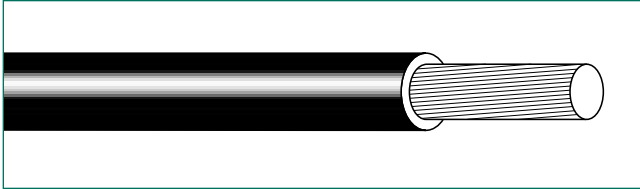
Insert appropriate suffix for required colour of core:

| | | | | | |
|-------------|------------|-------------|-----------|-------------------|--------------------|
| 01 = White | 02 = Black | 03 = Red | 06 = Blue | 06D = Dark Blue | 07 = Brown |
| 08 = Orange | 09 = Grey | 10 = Violet | 12 = Pink | 60 = Green/Yellow | xx = Other colours |

Conversion table: See Technical Information section.
Other cable constructions are available on request.

UL Style Single Core Cables • • • • • • • • • •

1007/1569



Application

These wires are used in small equipment or for data transmission up to 300 volts. These cables are internationally recognised.

Specifications

| | | | |
|--------------------------|--|----------------------------|-------------------------------------|
| Conductor: | Flexible tinned copper (class 5) | Temperature Rating: | -10°C minimum operating temperature |
| Insulation: | PVC (1/64") | | +80°C/105°C (1007/1569) |
| Standards: | UL 1007 UL 1569 CSA TR-64 (90°C) VW-1 | Voltage Rating: | 300 volts |
| Fire Performance: | Flame retardant to VW-1 | | |

| Anixter Part Number | Nominal Conductor Size AWG | Nominal Conductor Stranding #/mm | Overall Diameter mm | Approximate Weight kg/km |
|--|-------------------------------|-------------------------------------|------------------------|-----------------------------|
| UL 1007/1569 Flexible Tinned Conductors | | | | |
| 1007-28/7-##-MT | 28 | 7/0.127 | 1.19 | 2.4 |
| 1007-26/7-##-MT | 26 | 7/0.16 | 1.30 | 2.7 |
| 1007-24/7-##-MT | 24 | 11/0.16 | 1.42 | 4.2 |
| 1007-22/7-##-MT | 22 | 17/0.16 | 1.60 | 5.5 |
| 1007-20/10-##-MT | 20 | 26/0.16 | 1.78 | 7.1 |
| 1007-18/16-##-MT | 18 | 41/0.16 | 2.03 | 10.4 |
| 1007-16/26-##-MT | 16 | 26/0.254 | 2.34 | 15.6 |
| 1569-14/41-##-MT | 14 | 41/0.254 | 2.67 | 23.2 |
| 1569-12/65-##-MT | 12 | 65/0.254 | 3.23 | 36.8 |
| 1569-10/105-##-MT | 10 | 66/0.32 | 3.99 | 55.5 |

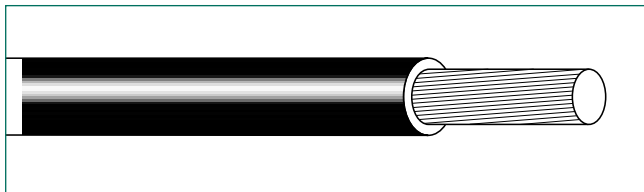
Insert appropriate suffix for required colour of core:

- | | | | | | |
|-----------|------------|----------|------------|------------|-------------------|
| 0 = Black | 1 = Brown | 2 = Red | 3 = Orange | 4 = Yellow | 5 = Green |
| 6 = Blue | 7 = Violet | 8 = Grey | 9 = White | P = Pink | 54 = Green/Yellow |

Conversion table: See Technical Information section.
Other cable constructions are available on request.

UL Style Single Core Cables *continued* • • • • • • • • • •

1015



Application

This range of multi-standard cables is used for wiring in fixed installations of electric and electronic components in switch gear cabinets, up to 600 volts. These cables are internationally recognised.

| Specifications | |
|----------------------------|---|
| Conductor: | Flexible tinned copper (class 5) |
| Insulation: | PVC (1/32") |
| Standards: | UL 1015 CSA TEW 105°C CSA TR-32 90°C VW-1 |
| Fire Performance: | Flame retardant to VW-1 |
| Temperature Rating: | -40°C minimum operating temperature +105°C maximum conductor operating temperature |
| Voltage Rating: | 600 volts |

| Anixter Part Number | Nominal Conductor Size AWG | Nominal Conductor Stranding #/mm | Overall Diameter mm | Approximate Weight kg/km |
|---|----------------------------|----------------------------------|---------------------|--------------------------|
| UL 1015 Flexible Tinned Conductors | | | | |
| 1015-24/7-##-MT | 24 | 11/0.16 | 2.18 | 7.3 |
| 1015-22/7-##-MT | 22 | 17/0.16 | 2.36 | 8.8 |
| 1015-20/10-##-MT | 20 | 26/0.16 | 2.54 | 10.9 |
| 1015-18/16-##-MT | 18 | 41/0.16 | 2.77 | 14.5 |
| 1015-16/26-##-MT | 16 | 26/0.254 | 3.10 | 20.2 |
| 1015-14/41-##-MT | 14 | 41/0.254 | 3.48 | 28.6 |
| 1015-12/65-##-MT | 12 | 65/0.254 | 3.99 | 42.4 |
| 1015-10/105-##-MT | 10 | 105/0.254 | 4.75 | 62.8 |

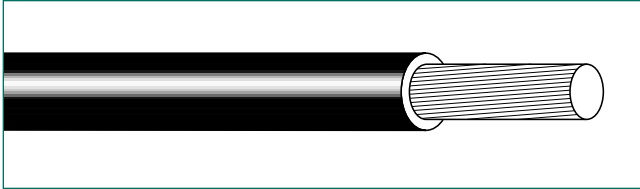
Insert appropriate suffix for required colour of core:

- 0 = Black
- 1 = Brown
- 2 = Red
- 3 = Orange
- 4 = Yellow
- 5 = Green
- 6 = Blue
- 7 = Violet
- 8 = Grey
- 9 = White
- P = Pink
- 54 = Green/Yellow

Conversion table: See Technical Information section. Other cable constructions are available on request.

UL Style Single Core Cables *continued* • • • • • • • • • •

1028



Application

This wire is designed to be used as installation wire for motors, transformers, panels and electronic circuits. The insulation thickness (3/64") provides increased mechanical protection. These cables are internationally recognised.

Specifications

| | | | |
|--------------------------|----------------------------------|----------------------------|--|
| Conductor: | Flexible tinned copper (class 5) | Temperature Rating: | -40°C minimum operating temperature |
| Insulation: | PVC (3/64") | | +105°C maximum conductor operating temperature |
| Standards: | UL 1028 VW-1 | Voltage Rating: | 600 volts |
| Fire Performance: | Flame retardant to VW-1 | | |

| Anixter Part Number | Nominal Conductor Size AWG | Nominal Conductor Stranding #/AWG | Overall Diameter mm | Approximate Weight kg/km |
|---|----------------------------|-----------------------------------|---------------------|--------------------------|
| UL 1028 Tinned Flexible Conductors | | | | |
| 1028-14/41-## | 14 | 41/30 | 4.51 | 35.7 |
| 1028-12/65-## | 12 | 65/30 | 4.85 | 50.4 |
| 1028-10/105-## | 10 | 105/30 | 5.61 | 72.2 |
| 1028-8/133-## | 8 | 133/29 | 6.65 | 108.2 |

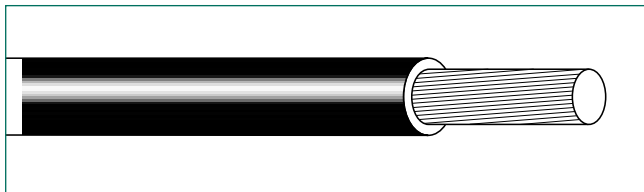
Insert appropriate suffix for required colour of core:

- | | | | | | |
|-----------|------------|----------|------------|------------|-------------------|
| 0 = Black | 1 = Brown | 2 = Red | 3 = Orange | 4 = Yellow | 5 = Green |
| 6 = Blue | 7 = Violet | 8 = Grey | 9 = White | P = Pink | 54 = Green/Yellow |

Conversion table: See Technical Information section.
Other cable constructions are available on request.

UL Style Single Core Cables *continued* • • • • • • • • • •

1061



Application
 Designed to be used for internal installations and electronic control devices. These cables are internationally recognised.

| Specifications | | |
|--------------------------|---|--|
| Conductor: | Flexible tinned copper (class 5) | Temperature Rating: -10°C minimum operating temperature |
| Insulation: | PVC (semi-rigid) | +80°C maximum conductor operating temperature |
| Standards: | UL 1061 VW-1 CSA Type T II SR-PVC | Voltage Rating: 300 volts |
| Fire Performance: | Flame retardant to VW-1 | |

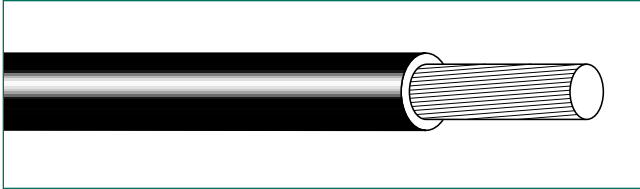
| Anixter Part Number | Nominal Conductor Size AWG | Nominal Conductor Stranding #/AWG | Overall Diameter mm | Approximate Weight kg/km |
|--|----------------------------|-----------------------------------|---------------------|--------------------------|
| UL 1061 Tinned Flexible Conductor | | | | |
| 1061-28/7-### | 28 | 7/36 | 0.89 | 1.7 |
| 1061-26/7-### | 26 | 7/34 | 0.99 | 2.2 |
| 1061-24/7-### | 24 | 7/32 | 1.12 | 3.3 |
| 1061-22/7-### | 22 | 7/30 | 1.30 | 4.9 |
| 1061-20/7-### | 20 | 10/30 | 1.47 | 6.1 |
| 1061-18/7-### | 18 | 16/30 | 1.73 | 9.1 |
| 1061-16/7-### | 16 | 26/30 | 1.80 | 14.0 |

Insert appropriate suffix for required colour of core:
 0 = Black 1 = Brown 2 = Red 3 = Orange 4 = Yellow 5 = Green
 6 = Blue 7 = Violet 8 = Grey 9 = White P = Pink 54 = Green/Yellow

Conversion table: See Technical Information section.
 Other cable constructions are available on request.

UL Style 1283, 1284 Single Core Cables • •

(AWM – MTW)



Application

This wire is designed to be used as installation wire for motors, transformers, panels and electronic circuits. The insulation thickness (3/64") provides increased mechanical protection. These cables are internationally recognised.

Specifications

| | | | |
|--------------------------|---------------------------------------|----------------------------|---|
| Conductor: | Flexible tinned copper (class 5) | Temperature Rating: | -10°C minimum operating temperature |
| Insulation: | PVC | | +80°C maximum conductor operating temperature |
| Standards: | UL 1283, 1284 CSA Type T II SR-PVC | Voltage Rating: | 300 volts |
| Fire Performance: | Flame retardant to VW-1 | | |

| Anixter Part Number | Nominal Conductor Size AWG | Nominal Conductor Stranding #/mm | Overall Diameter mm | Approximate Weight kg/km | UL Style |
|---|----------------------------|----------------------------------|---------------------|--------------------------|----------|
| UL 1283 & 1284 Tinned Flexible Conductor | | | | | |
| 1283-6/133-## | 6 | 133 | 8.43 | 175 | UL1283 |
| 1283-4/133-## | 4 | 133 | 9.73 | 255 | UL1283 |
| 1283-2/133-## | 2 | 133 | 11.7 | 373 | UL1283 |
| 1284-2/0/1330B-## | 2/0 | 1330 | 16.5 | 765 | UL1284 |
| 1284-3/0/1661-## | 3/0 | 1661 | 17.8 | 932 | UL1284 |
| 1284-4/0/2107-## | 4/0 | 2107 | 19.2 | 1155 | UL1284 |

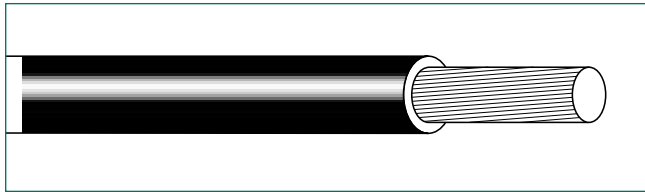
Insert appropriate suffix for required colour of core:

- | | | | | | |
|-----------|------------|----------|------------|------------|-------------------|
| 0 = Black | 1 = Brown | 2 = Red | 3 = Orange | 4 = Yellow | 5 = Green |
| 6 = Blue | 7 = Violet | 8 = Grey | 9 = White | P = Pink | 54 = Green/Yellow |

Conversion table: See Technical Information section.
Other cable constructions are available on request.

SIS Single Core Cables • • • • • • • • • •

SIS



Application
 This range of wires is predominantly used in panels or measurement equipment where the wire requires resistance against heat, humidity, oil and corrosive gases.

| Specifications | |
|----------------------------|---|
| Conductor: | Tinned Copper (class 2) |
| Insulation: | XLPE |
| Standards: | SIS UL |
| Fire Performance: | Flame retardant to VW-1 |
| Temperature Rating: | +90°C maximum conductor operating temperature |
| Voltage Rating: | 600 volts |

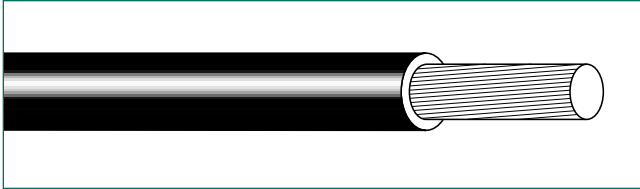
| Anixter Part Number | Nominal Conductor Size AWG | Nominal Conductor Stranding #/mm | Overall Diameter mm | Approximate Weight kg/km |
|---|----------------------------|----------------------------------|---------------------|--------------------------|
| SIS VW-1 Tinned Flexible Conductor | | | | |
| 6KL-1401FV-## | 14 | 41/30 | 3.56 | 30 |
| 6KL-1201FV-## | 12 | 65/30 | 3.94 | 45 |
| 6KL-1001FV-## | 10 | 104/30 | 4.57 | 61 |
| 6KL-0801FV-## | 8 | 133/29 | 6.60 | 112 |
| 6KL-0601FV-## | 6 | 133/27 | 8.64 | 194 |
| 6KL-0401FV-## | 4 | 133/25 | 9.91 | 275 |

Insert appropriate suffix for required colour of core:
 0 = Black 1 = Brown 2 = Red 3 = Orange 4 = Yellow 5 = Green
 6 = Blue 7 = Violet 8 = Grey 9 = White P = Pink 54 = Green/Yellow

Conversion table: See Technical Information section.
 Other cable constructions are available on request.

Automotive Wire • • • • • • • •

SXL – GXL



Application

For use in general wiring circuits in vehicles where severe conditions such as oxidation and high temperatures may be present. These wires are approved for use in motor and vehicle engine compartments.

Specifications

| | | | |
|--------------------|---|----------------------------|---|
| Conductor: | Plain stranded copper | Fire Performance: | Flame retardant to VW-1 |
| Insulation: | XLPE | Temperature Rating: | -51°C minimum operating temperature |
| Standards: | SAE J1128 MIL-085A MIL-085B MS-5919 MS-8900 | | + 125°C maximum conductor operating temperature |
| | | Nominal Voltage: | 50 volts |

| Anixter Part Number | Nominal Conductor Size AWG | Overall Diameter mm | Approximate Weight kg/km |
|---------------------|----------------------------|---------------------|--------------------------|
| SXL | | | |
| 6SXL-2001-## | 20 | 2.44 | 10.4 |
| 6SXL-1801-## | 18 | 2.69 | 13.8 |
| 6SXL-1601-## | 16 | 3.02 | 18.5 |
| 6SXL-1401-## | 14 | 3.58 | 28.1 |
| 6SXL-1201-## | 12 | 4.14 | 40.8 |
| 6SXL-1001-## | 10 | 4.97 | 61.6 |
| GXL | | | |
| 6SLXL-2001-## | 20 | 2.11 | 9.1 |
| 6GXL-1801-## | 18 | 2.34 | 11.8 |
| 6GXL-1601-## | 16 | 2.57 | 15.6 |
| 6GXL-1401-## | 14 | 2.97 | 23.7 |
| 6GXL-1201-## | 12 | 3.56 | 36.0 |
| 6GXL-1001-## | 10 | 4.39 | 56.2 |

Insert appropriate suffix for required colour of core:

- | | | | | | |
|-----------|------------|----------|------------|------------|-------------------|
| 0 = Black | 1 = Brown | 2 = Red | 3 = Orange | 4 = Yellow | 5 = Green |
| 6 = Blue | 7 = Violet | 8 = Grey | 9 = White | P = Pink | 54 = Green/Yellow |

Conversion table: See Technical Information section.
Other cable constructions are available on request.