

Model Number

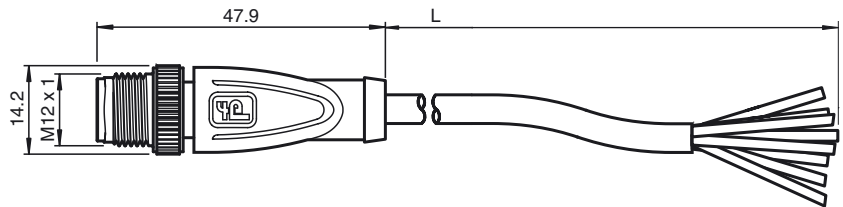
V19S-G-BK5M-PUR-U

Cable connector, M12, 8-pin, PUR cable

Features

- UL Recognized Component
- Knurled nut suitable for tool assembly
- Immunity to vibration, with mechanical latching
- Gold plated contacts
- Flame resistant cable
- Halogen-free
- Resistant to microbes and hydrolysis
- Degree of protection IP67 / IP68 / IP69K

Dimensions



Technical data

General specifications

| | |
|----------------|---------|
| Number of pins | 8 |
| UL File Number | E231213 |

Electrical specifications

| | | |
|-------------------|-------|-----------------|
| Operating voltage | U_B | max. 30 V AC/DC |
| Operating current | I_B | max. 2 A |

Ambient conditions

| | |
|---------------------|---|
| Ambient temperature | Body: -40 ... 90 °C (-40 ... 194 °F) cable, flexing: -20 ... 80 °C (-4 ... 176 °F) cable, fixed: -40 ... 80 °C (-40 ... 176 °F) |
|---------------------|---|

| | |
|------------------|---|
| Pollution Degree | 3 |
|------------------|---|

Mechanical specifications

| | |
|------------------|------------------------------|
| Contact elements | spring-loaded contact socket |
|------------------|------------------------------|

| | |
|--------------|------|
| Pin diameter | 1 mm |
|--------------|------|

| | |
|----------------------|---------------------|
| Degree of protection | IP67 / IP68 / IP69k |
|----------------------|---------------------|

Material

| | |
|----------|-----------|
| Contacts | CuSn / Au |
|----------|-----------|

| | |
|-----------------|----|
| Contact surface | Au |
|-----------------|----|

| | |
|------|------------|
| Body | TPU, black |
|------|------------|

| | |
|-------|-----|
| Cable | PUR |
|-------|-----|

| | |
|------------------|--------------|
| Sleeve connector | Diecast zinc |
|------------------|--------------|

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|-----------------|----|
| Core insulation | PP |
|-----------------|----|

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|-------|-----------------------|
| Cable | fine-strand, flexible |
|-------|-----------------------|

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|-----------------|--------|
| Sheath diameter | Ø 6 mm |
|-----------------|--------|

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|----------------|--|
| Bending radius | > 10 x cable diameter, moving > 8 x cable diameter, fixed |
|----------------|--|

| | |
|-------|-------|
| Color | black |
|-------|-------|

| | |
|-------|--------------------------|
| Cores | 8 x 0.25 mm ² |
|-------|--------------------------|

| | |
|------------------------|----------------|
| Conductor construction | 14 x 0.15 mm Ø |
|------------------------|----------------|

| | | |
|--------|---|-----|
| Length | L | 5 m |
|--------|---|-----|

Flammability

| | |
|-----------------|----|
| Contact carrier | HB |
|-----------------|----|

| | |
|---------|-----|
| Housing | V-2 |
|---------|-----|

| | |
|-------|-----|
| Cable | FT2 |
|-------|-----|

Compliance with standards and directives

Standard conformity

| | |
|--------------|--|
| Flammability | Grip: UL 94 Cable: UL 1581 Section 1100; IEC 60332-1-2:2004 |
|--------------|--|

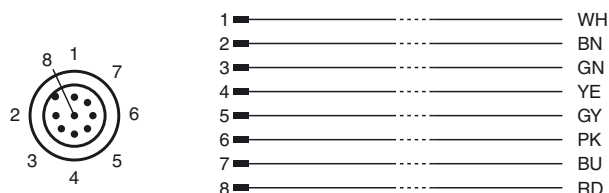
| | |
|--------------|------------------|
| Halogen-free | IEC 60754-1:1994 |
|--------------|------------------|

Approvals and certificates

| | |
|-------------|-------------------------------|
| UL approval | UL Recognized General purpose |
|-------------|-------------------------------|

Maximum permissible operating voltage ≤ 30 V

Electrical connection





Maximum permissible ambient temperature $\leq 80\text{ }^{\circ}\text{C}$ ($\leq 176\text{ }^{\circ}\text{F}$)

Release date: 2015-08-05 09:06 Date of issue: 2015-08-05 240771-0015_eng.xml