



Part Number: 3042A

300V, (50 pr) 18 AWG (7x26) BC, (1) 22 AWG (7x30) BC,
PVC/PVC, Foil Shld, PLTC-ER, CMG

Product Description

Fifty 18 AWG pairs stranded (7x26) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors | No. of Pairs |
|------------------------------------|-----------|------------------|-------------------|--------------|
| 18 | 7x26 | BC - Bare Copper | | 50 |
| 22 | 7x30 | BC - Bare Copper | 1 | |
| Total Number of Conductors: | | | 101 | |

Insulation:

| Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Color Chart 1:

| Number | Color |
|--------|------------------------------|
| 1 | Black & White and Numbered 1 |
| 2 | Black & White and Numbered 2 |
| 3 | Black & White and Numbered 3 |
| 4 | Black & White and Numbered 4 |

| | |
|----|-------------------------------|
| 5 | Black & White and Numbered 5 |
| 6 | Black & White and Numbered 6 |
| 7 | Black & White and Numbered 7 |
| 8 | Black & White and Numbered 8 |
| 9 | Black & White and Numbered 9 |
| 10 | Black & White and Numbered 10 |
| 11 | Black & White and Numbered 11 |
| 12 | Black & White and Numbered 12 |
| 13 | Black & White and Numbered 13 |
| 14 | Black & White and Numbered 14 |
| 15 | Black & White and Numbered 15 |
| 16 | Black & White and Numbered 16 |
| 17 | Black & White and Numbered 17 |
| 18 | Black & White and Numbered 18 |
| 19 | Black & White and Numbered 19 |
| 20 | Black & White and Numbered 20 |
| 21 | Black & White and Numbered 21 |
| 22 | Black & White and Numbered 22 |
| 23 | Black & White and Numbered 23 |
| 24 | Black & White and Numbered 24 |
| 25 | Black & White and Numbered 25 |
| 26 | Black & White and Numbered 26 |
| 27 | Black & White and Numbered 27 |
| 28 | Black & White and Numbered 28 |
| 29 | Black & White and Numbered 29 |
| 30 | Black & White and Numbered 30 |
| 31 | Black & White and Numbered 31 |
| 32 | Black & White and Numbered 32 |
| 33 | Black & White and Numbered 33 |
| 34 | Black & White and Numbered 34 |
| 35 | Black & White and Numbered 35 |
| 36 | Black & White and Numbered 36 |
| 37 | Black & White and Numbered 37 |
| 38 | Black & White and Numbered 38 |
| 39 | Black & White and Numbered 39 |
| 40 | Black & White and Numbered 40 |
| 41 | Black & White and Numbered 41 |
| 42 | Black & White and Numbered 42 |
| 43 | Black & White and Numbered 43 |
| 44 | Black & White and Numbered 44 |
| 45 | Black & White and Numbered 45 |

| | |
|---------------|-------------------------------|
| 46 | Black & White and Numbered 46 |
| 47 | Black & White and Numbered 47 |
| 48 | Black & White and Numbered 48 |
| 49 | Black & White and Numbered 49 |
| 50 | Black & White and Numbered 50 |
| Communication | Wire |

Innershield:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | 20 | 7x28 mm |
| | | | | TC - Tinned Copper | |

Outershield 1:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC - Tinned Copper | 18 | 7x26 mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 1.384 in | 0.084 in | Yes |

Electrical Characteristics

Conductor DCR:

| Element | Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Outer Shield DCR |
|---------|------------------------------------|-----------------------|--------------------------|
| 18 AWG | 10.3 Ohm/1000ft | 5.86 Ohm/1000ft | 5.5 Ohm/1000ft |
| 22 AWG | | 14.7 Ohm/1000ft | |

Current:

| Max. Recommended Current [A] |
|------------------------------|
| 2 Amps per conductor @ 25°C |

Voltage:

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Use

| | |
|------------------------|-----|
| Suitability - Burial: | Yes |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

| | |
|------------------------------------|----------|
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 2935 lbs |

Safety

| | |
|--------------------|--------------------|
| CSA Flammability: | FT4 |
| ICEA Flammability: | T-29-520 |
| IEEE Flammability: | 1202 |
| UL Flammability: | UL1685 FT4 Loading |

Temperature Range

| | |
|-----------------------|-----------------|
| Operating Temp Range: | -30°C To +105°C |
|-----------------------|-----------------|

Mechanical Characteristics

| | |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 13.8 in |
|-----------------------------|---------|

Part Number

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification: | CEC/C(UL) Specification |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |

History

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| Notes: | Alternate color coding available upon request. |
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