

Part Number: 1057A

300V, (8 pr) 20 AWG (7x28) BC, (1) 22 AWG (7x30) BC,
PVC/PVC, Foil Shld, PLTC-ER, CMG

Product Description

Eight 20 AWG pairs stranded (7x28) bare copper conductors plus 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 |
|------------------------------------|-----------|------------------|-------------------|--------------|
| 20 | 7x28 | BC - Bare Copper | | 8 |
| 22 | 7x30 | BC - Bare Copper | 1 | |
| Total Number of Conductors: | | | 17 | |

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 |
| Communication Wire | Orange |

Cabling 1:

| |
|---------------|
| Lay Direction |
| Left Hand |

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 | 20 | 7x28 mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.472 in | 0.053 in | Yes |

| | |
|----------------------|---|
| Print Legend: | LEGEND: BELDEN 1057A E34972 8PR20 1C22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG ----FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET |
|----------------------|---|

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 9.5 Ohm/1000ft | 26 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 30 pF/ft | 55 pF/ft |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.19 µH/ft |

Voltage:

| UL Voltage Rating |
|-------------------------|
| 300 V RMS (PLTC CMG) |
| 150 V RMS (ITC) |

Use

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

| | |
|------------------------------------|---------|
| Suitability - Sunlight Resistance: | Yes |
| Max Recommended Pulling Tension: | 247 lbs |

Safety

| | |
|---------------------|--------------------|
| C(UL) 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 |
| UL Temp Rating: | 105°C |

Mechanical Characteristics

| | |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 5 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) |
| EU CE Mark: | EU CE Mark |

History

Product Variants

| Part Number | Color | Put-Up Type | Length |
|----------------|-------|-------------|----------|
| 1057A 01010000 | BLACK | Reel | 10000 ft |

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