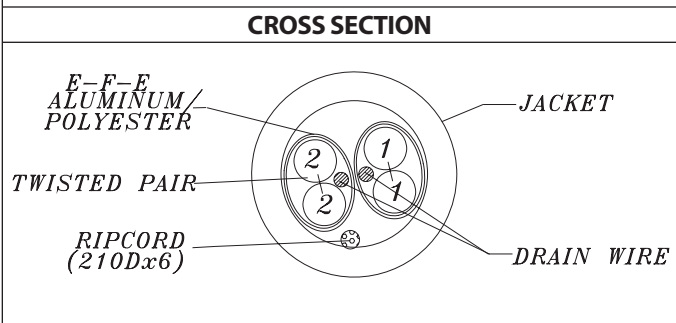




CABLE SYSTEMS

PRODUCT SPECIFICATION: 22-2EPS-Purple



MARKING

Jacket Marking (Black)

ICE CABLE SYSTEMS 22-2/EPS REFERENCE SERIES LINE
 LEVEL CABLE OXYGEN FREE COPPER 22AWG/2PR
 E301442-22 (UL) CL3 ROOM: ENT KIT FAM LR DR OFC POO
 POWD PAT MBR MBA BR1 BR2 BR3 BR4 GAR GYM
 1 2 3 4 5 6 "ROHS" XXXX/XXXX FT
 "XXXX/XXXX" Stands for Length.
 ie: 0000/1000;0004/0996; 0008/0992...

DESCRIPTION

| | |
|--------------------------------|--------------------------------|
| Rated Voltage (V) | 300 |
| Rated Temperature (°C) | 75 |
| Product Standard Certification | c (UL) CL3 & UL Direct Burial |
| Flame test | CL3 |

Application:
 Power-limited circuit cables for use a fixed wiring within buildings (some are also marked for direct burial) principally for class 3 and class 2 circuits.

Reference Standard: UL 13 & the customer's specification

CONSTRUCTION

| | |
|---|-----------------------------|
| Conductor: | Stranded Oxygen Free Copper |
| Component: (1P+1TG=SHIELD)x2 | 4C |
| AWG | 22 |
| Construction (mm) | 7/0.254 OFC |
| Stranded Dia. (mm) | 0.77 |
| Cross-Sectional Area (mm ²) | 0.35 |

| | |
|---------------------------|--------|
| Insulation: | SR-PVC |
| Nom. Thickness (mm) | 0.18 |
| Insulation Dia. (±0.05mm) | 1.15 |

| | |
|---|--------------------------|
| Drain Wire (Stranded Tinned Copper): | 7/0.20T |
| Shield (For each twisted pair) | E-F-E Aluminum/Polyester |
| Coverage(%) | ≥125% |

Ripcord: 210D nylon thread

| | |
|---------------------|------|
| Jacket: | PVC |
| Nom. Thickness (mm) | 0.57 |

Outer Dia. (±0.10mm) 5.00

REVISION HISTORY

COLOR & PACKAGING

Insulation: PVC

Component: 1P. Black & Red 2P. Black & White

Jacket: Brightness Trans-purple (Pantone: 2587 C)

Packaging: 1000ft BMP box

PERFORMANCE

| | |
|-------------------------------------|---------------|
| Electrical Characteristics: | (20°C) |
| Max. Conductor DC Resistance (Ω/KM) | 54.3 |
| Min. Insulation Resistance(Ω/km) | 50M |
| Dielectric Strength | AC-500V/1 Min |
| Impedance | |
| wire to wire: | 49.5±3Ω |
| wire to end: | 26.5±2Ω |
| Capacitance | |
| wire to wire: | 39±1.5Ω |
| wire to end: | 75±1.5Ω |

Mechanical Characteristics:

| | |
|---|--------|
| Test Object | Jacket |
| Test Material | PVC |
| Before Tensile Strength (kg/mmP ^{2P}) | ≥1.05 |


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|-------------|-------------|----------|---------|
| Sample No. | - | Spec No. | 51168-A |
| Revision | A | | |
| Date | 03/17/2007 | Page | 1 of 1 |
| Designed by | Approved by | | |
| BR | Brian Rizzo | | |