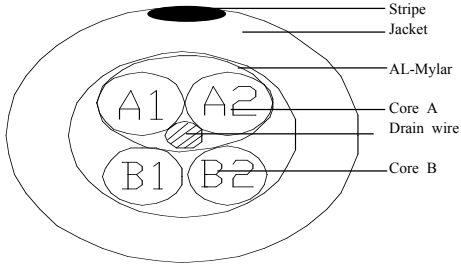


SCP-CREST-1 HOME NETWORKING CABLE

Cross Section



Marking

E198134-C 18AWG 2C & 22AWG 1PR SHIELDED DATA LOW CAP (UL) CL3 **** FT

****: Repeated footage 0-1000 FEET

Description

Flame Test CL3

Application

For interconnection of shielded equipment in digital switching systems.

Reference Standard

Customer's sample

Construction

| | Stranded Bared Copper | |
|---------------------------------|------------------------|---------|
| Conductor | | |
| 2C+1P | 1P | 2C |
| AWG | 18 | 22 |
| Construction (mm) | 7/0.40 | 7/0.254 |
| Dia. (mm) | 1.2 | 0.76 |
| Insulation | PVC | PVC |
| Min. Thickness (mm) | 0.22 | 0.34 |
| Nom. Thickness (mm) | 0.3 | 0.45 |
| Insulation Dia. (±0.10mm) | 1.8 | 1.65 |
| Drain Wire | Stranded Tinned Copper | |
| Construction(mm) | 7/0.20 | - |
| AL-mylar shield (Overlapping,%) | ≥25 | - |
| Cabling(1P+2C) | | |
| Direction | S | |
| Outer Jacket | PVC | |
| Min. Thickness (mm) | 0.7 | |
| Nom. Thickness (mm) | 0.9 | |
| Jacket Dia. (±0.25mm) | 6.4 | |

Color

Insulation

A1.Light Blue A2.White
B1.Red B2.Black

Jacket

Teal with yellow stripe

Performance

Electrical Characteristics (20°C)

Max. Conductor DC Resistance (ohms/km) A:21 B:56.8

Mechanical Characteristics:

| Test Object | Insulation | Jacket |
|-------------------------------|------------------|------------------|
| Test Material | PVC | PVC |
| Before Tensile Strength (Mpa) | _10.3 | _10.3 |
| Aging Elongation (%) | _100 | _100 |
| Aging Condition () | 113±2_X 168 hrs | |
| After Tensile Strength (Mpa) | _70% of original | _70% of original |
| Aging Elongation (%) | _65% of original | _65% of original |