



APPLICATION

Unshielded Multi-Conductor Cable suitable for Audio, Control, Instrumentation and Building Management System (BMS).

DESIGN

Conductor: N x Bare Copper Wire, 14 AWG Flexible

Insulation: HFFR / LSZH

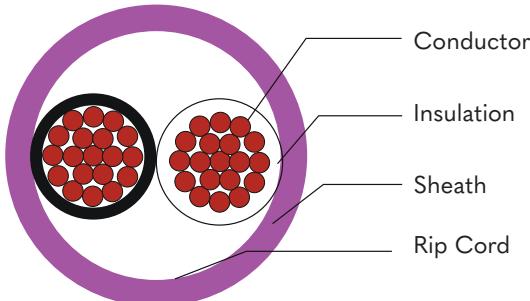
Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow

Rip Cord: Flame-Retardant Halogen Free (HFFR/LSZH)

Standard colour: Purple

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

| Part Number | VC214L | VC314L | VC414L | VC614L | VC814L |
|---------------------------------------|--------|--------|-----------|--------|--------|
| No of Cores x 14 AWG (19 x 27) | 2 | 3 | 4 | 6 | 8 |
| Nom. Diameter Conductor (mm) | | | 1.8 | | |
| Nom. Radial Thickness Insulation (mm) | | | 0.3 | | |
| Nom. Radial Thickness Sheath (mm) | | | 0.65 | | |
| Nom. Overall Diameter (mm) | 6.1 | 6.6 | 7.2 | 8.5 | 9.2 |
| Operating Temperature (°C) | | | -25 / +75 | | |
| Max. Recommended Pulling Tension (N) | 420 | 635 | 845 | 1265 | 1685 |
| Min. Bend Radius (Install) (mm) | 61 | 66 | 72 | 85 | 92 |
| Nominal Cable Weight (kg/km) | 61.2 | 84.9 | 108.3 | 157.3 | 202.4 |

Electrical Characteristics @20°C

| Part Number | VC214L | VC314L | VC414L | VC614L | VC814L |
|---|--------|--------|--------|--------|--------|
| No. of Cores x 14 AWG (19 x 27) | 2 | 3 | 4 | 6 | 8 |
| Max. DC Resistance Conductor (Ω/km) | | | 9.36 | | |
| Max. DC Resistance Screen (Ω/km) | | | 78.5 | | |
| Capacitance Conductor to Conductor (Pf/m) | 75 | 75 | 77 | 80 | 80 |
| Nominal inductance (μH/m) | | | 0.5 | | |
| Max. Recommended Current at 25°C (Amps) | 8 | 8 | 6.4 | 5.6 | 5.6 |
| Max. Operating Voltage (Vrms) | | | 300 | | |

Reference Standards

(BS) EN 50290-2

IEC 60228

IEC 60754-1 & 2

IEC 61034, IEC 60332 - 3-24

ROHS directives

Ordering Information

| Part Number | Description |
|-------------|---|
| VC214L | 2 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll |
| VC314L | 3 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll |
| VC414L | 4 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll |
| VC614L | 6 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll |
| VC814L | 8 Core, 14 AWG unshielded Multi Conductor Cable, LSZH 305M / Roll |