



## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 14 AWG Flexible

Insulation: Polyolefin

Core 1: Black, Core 2: Red, Core 3: White, Core 4:

Green, Core 5: Brown, Core 6: Blue, Core 7: Orange,  
Core 8: Yellow

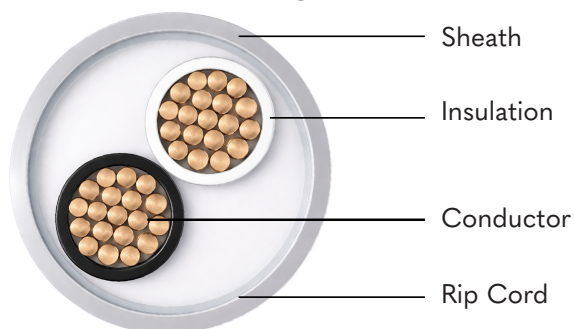
Rip Cord: Nylon Yarn

Sheath : Flame - Retardant Polyvinyl Chloride (PVC)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VC214P	VC314P	VC414P	VC614P	VC814P
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)	0.4				
Nom. Overall Diameter (mm)	5.6	6.0	6.6	8.0	8.7
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (Install) (mm)	58	64	68	84	87
Nominal Cable Weight (kg/km)	43	64	84	126	168

## Electrical Characteristics @20°C

Part Number	VC214P	VC314P	VC414P	VC614P	VC814P
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	9.36				
Capacitance Conductor to Conductor (Pf/m)	51	55	55	50	50
Nominal inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	8	6.4	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

## Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

## Ordering Information

Part Number	Description
VC214P	2 Core, 14 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC314P	3 Core, 14 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC414P	4 Core, 14 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC614P	6 Core, 14 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC814P	8 Core, 14 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll