

## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 18 AWG Flexible

Insulation: Polyolefin

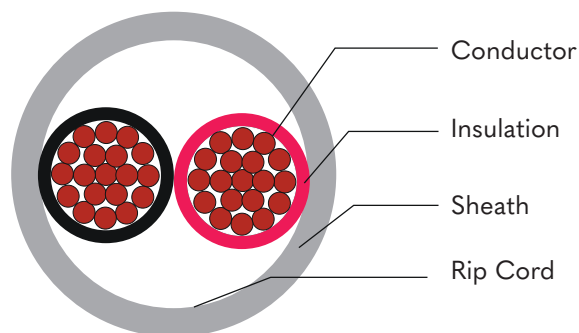
Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow, Core 9: Purple, Core 10: Grey, Core 11: Pink, Core 12: Tan (Black colour with number identification on cores more than 12)

Rip Cord: Nylon Yarn

Sheath: Flame-Retardant Polyvinyl Chloride (PVC)  
Standard colour: Grey

Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VC218P	VC318P	VC418P	VC618P	VC818P
No of Cores	2	3	4	6	8
Conductor Construction (AWG)	18 (7 x26)				
Nom. Diameter Conductor (mm)	1.2				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Overall Diameter (mm)	3.9	4.1	4.55	5.7	5.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	200	299	399	600	797
Min. Bend Radius (Install) (mm)	40	42	46	58	60
Nominal Cable Weight (kg/km)	27.3	36.9	47.2	68.2	87

## Electrical Characteristics

Part Number	VC218P	VC318P	VC418P	VC618P	VC818P
No of Cores	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7				
Capacitance conductor to conductor (pF/m)	52	55	45	50	50
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5
Max. Operating Voltage (Vrms)	300				

## Reference & Standards

(BS) EN 50290-2

IEC 60228

IEC 60332-1-2 & IEC 60332-1-3

RoHS directives

## Ordering Information

Part Number	Description
VC218P	2 Core, 18 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC318P	3 Core, 18 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC418P	4 Core, 18 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC618P	6 Core, 18 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC818P	8 Core, 18 AWG unshielded Multi Conductor Cable, PVC 305M / Roll