



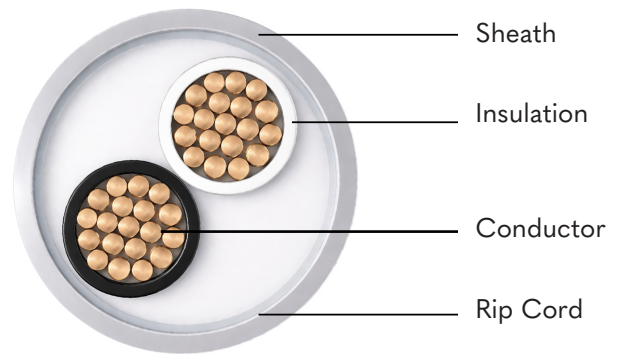
## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 22 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
Rip Cord: Nylon Yarn
Sheath Material: Flame-Retardant Polyvinyl Chloride (PVC), Standard colour: Grey, RAL Code: 7046
Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VC222P	VC322P	VC422P	VC622P	VC822P
Number of Cores	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness of Insulation (mm)	0.20				
Nom. Radial Thickness of Sheath (mm)	0.4				
Nom. Diameter of Sheath (mm)	3.3	3.5	3.8	4.5	4.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	80	121	187	243	324
Min. Bend Radius (install) (mm)	33	35	38	45	49
Nominal Cable Weight (kg/km)	13.4	18.2	22	32	40.3

## Electrical Characteristics

Part Number	VC222P	VC322P	VC422P	VC622P	VC822P
Number of Cores x 22AWG (7x30)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4				
Capacitance conductor to conductor (pF/m)	40	35	35	45	45
Nominal Inductance	0.5				
Max. Recommended Current at 25°C	2.8	2.8	2.25	1.95	1.95
Max. Operating Voltage (Vrms)	300				

## Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

## Ordering Information

Part Number	Description
VC222P	2 Core, 22 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC322P	3 Core, 22 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC422P	4 Core, 22 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC622P	6 Core, 22 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC822P	8 Core, 22 AWG unshielded Multi Conductor Cable, PVC 305M / Roll