



## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 20 AWG Flexible

Insulation: Polyolefin

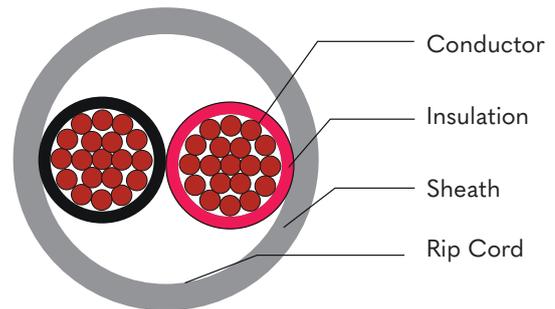
Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow, Core 9: Purple, Core 10: Grey, Core 11: Pink, Core 12: Tan (Black colour with number identification on cores more than 12)

Rip Cord: Nylon Yarn

Sheath: Flame-Retardant Polyvinyl Chloride (PVC)  
Standard Colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VC220P	VC320P	VC420P	VC620P	VC820P
No of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.87				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Overall Diameter (mm)	3.4	3.6	4.0	4.9	5.3
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	112	168	224	336	448
Min. Bend Radius (Install) (mm)	34	36	40	49	53
Nominal Cable Weight (kg/km)	19.7	6.2	33.1	47.9	60.6

## Electrical Characteristics

Part Number	VC220P	VC320P	VC420P	VC620P	VC820P
No of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	41.5				
Capacitance conductor to conductor (pF/m)	46	47	47	45	45
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	3.75	3.75	3	2.6	2.6
Max. Operating Voltage (Vrms)	300				

## Reference & Standards

(BS) EN 50290-2

IEC 60228

IEC 60332-1

RoHS directives

## Ordering Information

Part Number	Description
VC220P	2 Core, 20 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC320P	3 Core, 20 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC420P	4 Core, 20 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC620P	6 Core, 20 AWG unshielded Multi Conductor Cable, PVC 305M / Roll
VC820P	8 Core, 20 AWG unshielded Multi Conductor Cable, PVC 305M / Roll