



## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 16 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,

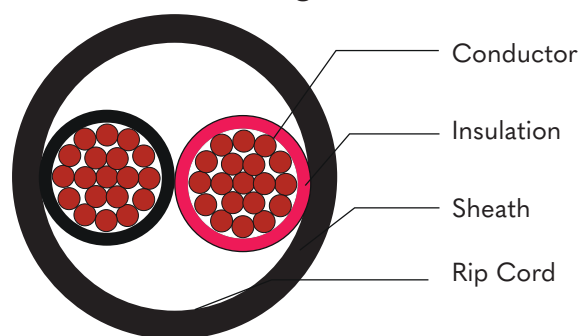
Rip Cord: Nylon Yarn

Sheath: PE

Standard colour: Black

Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VC216PE	VC316PE	VC416PE	VC616PE	VC816PE
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.4				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)			0.6		
Nom. Overall Diameter (mm)	4.9	5.2	5.6	7.1	7.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	262	391	520	780	1040
Min. Bend Radius (Install) (mm)	49	52	56	71	79
Nominal Cable Weight (kg/km)	32	43	55	81	112

## Electrical Characteristics at 20°C

Part Number	VC216PE	VC316PE	VC416PE	VC616PE	VC816PE
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (m/km)	15.47				
Capacitance conductor to conductor (pF/m)	56	55	50	48	45
Nom. Inductance	0.5				
Max. Recommended Current at 25C (Amps)	6.25	6.25	5	4.35	4.35
Max. Operating Voltage (Vrms)	300				

## Reference Standards

(BS) EN 50290-2

IEC 60228

RoHS directives

## Ordering Information

Part Number	Description
VC216PE	2 Core, 16 AWG Unshielded Multi Conductor cable, PE Sheath 305M / Roll
VC316PE	3 Core, 16 AWG Unshielded Multi Conductor cable, PE Sheath 305M / Roll
VC416PE	4 Core, 16 AWG Unshielded Multi Conductor cable, PE Sheath 305M / Roll
VC616PE	6 Core, 16 AWG Unshielded Multi Conductor cable, PE Sheath 305M / Roll
VC816PE	8 Core, 16 AWG Unshielded Multi Conductor cable, PE Sheath 305M / Roll