



## 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, Core 9: Purple, Core 10: Grey, Core 11: Pink, Core 12: Tan

Drain Wire: 24 AWG (7 x 32), Tinned Copper

Screen: Aluminium / Polyester 100% Coverage

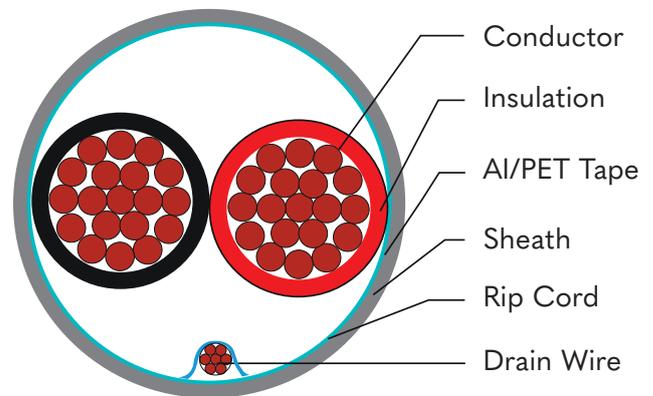
Rip Cord: Nylon Yarn

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	VSC216P	VSC316P	VSC416P	VSC616P	VSC816P
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)	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter (mm)	4.6	4.9	5.3	6.8	7.6
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	262	391	520	780	1040
Min. Bend Radius (Install) (mm)	50	53	57	72	80
Nominal Cable Weight (kg/km)	34	46	58	84	11.5

## Electrical Characteristics

Part Number	VSC216P	VSC316P	VSC416P	VSC616P	VSC816P
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance conductor to conductor (pF/m)	105	105	90	80	80
Capacitance cond. to other cond.+ Screen (pF/m)	185	190	185	160	150
Nominal Inductance (l)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5	4.35	4.35
Max. Operating Voltage (Vrms)	300				

## Reference Standards

(BS) EN 50290-2	IEC 60332-1
IEC 60228	RoHS directives

## Ordering Information

Part Number	Description
VSC216P	2 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC316P	3 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC416P	4 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC616P	6 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC816P	8 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll