



## APPLICATION

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

## 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: Tinned Copper Wire

Screen: Aluminium / Polyester 100% Coverage

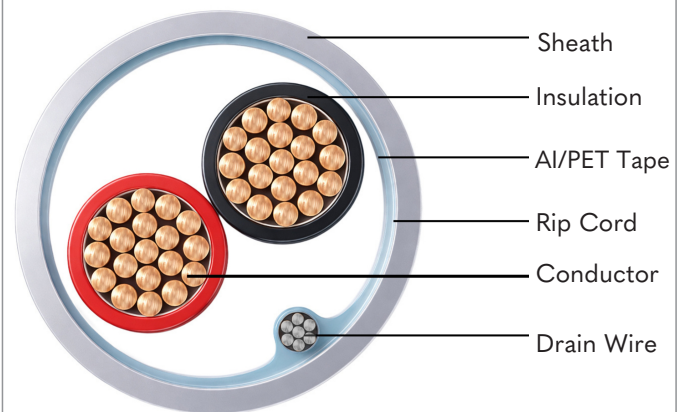
Rip Cord: Nylon Yarn

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				
Nom. Drain Wire Diameter (mm)	24 AWG (7 *0.32)				
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

RoHS directives

IEC 60332-1

## 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