



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

Drain Wire: Tinned Copper Wire

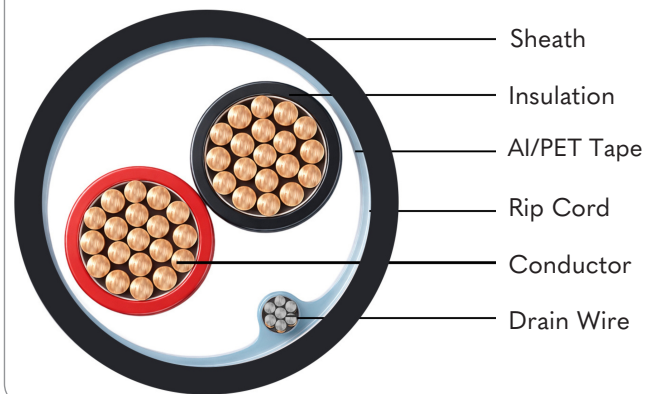
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath: PE, Standard colour: Black

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC216PE	VSC316PE	VSC416PE	VSC616PE	VSC816PE
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. Drain Wire Diameter (mm)	24 AWG (7 *0.32)				
Nom. Overall Diameter (mm)	5.0	5.3	5.7	7.2	8.0
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	VSC216PE	VSC316PE	VSC416PE	VSC616PE	VSC816PE
No of Cores x 16 AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	15.47				
Max. DC Resistance Screen (Ω/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
VSC216PE	2 Core, 16 AWG Shielded Multi Conductor Cable, PE Sheath 305M / Roll
VSC316PE	3 Core, 16 AWG Shielded Multi Conductor Cable, PE Sheath 305M / Roll
VSC416PE	4 Core, 16 AWG Shielded Multi Conductor Cable, PE Sheath 305M / Roll
VSC616PE	6 Core, 16 AWG Shielded Multi Conductor Cable, PE Sheath 305M / Roll
VSC816PE	8 Core, 16 AWG Shielded Multi Conductor Cable, PE Sheath 305M / Roll