



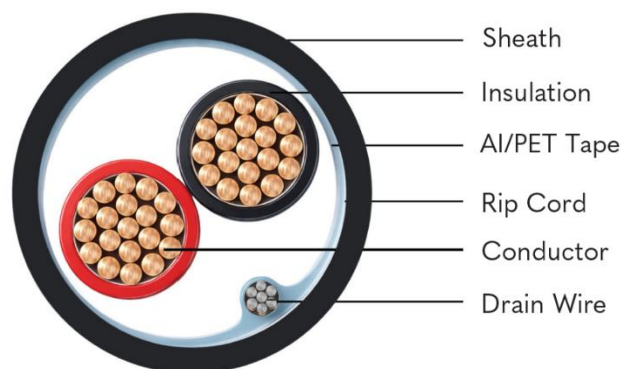
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 16 AWG Flexible
Insulation: Polyolefin
Core Colors: 1: Black, 2: White, 3: Red, 4: Green, 5: Brown, 6: Blue, 7: Orange, 8: Yellow
Drain Wire: Tinned Copper Wire
Rip Cord: Nylon Yarn
Screen: Aluminium/Polyester 100% Coverage
Sheath Material : PE
Standard Colour: Black, RAL Code: 9005
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	1.4				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)				
Nom. Overall Diameter (mm)	5.0	5.3	5.7	7.2	8.0
Operating Temperature Range (°C)	-25 to +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	115

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 Conductor to other Conductors + Screen (Pf/m)	185	190	185	160	160
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25		5	4.35	
Max. Operating Voltage (Vrms)	300				

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC216PE	Voltan UK 2 Core, 16 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC316PE	Voltan UK 3 Core, 16 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC416PE	Voltan UK 4 Core, 16 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC616PE	Voltan UK 6 Core, 16 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC816PE	Voltan UK 8 Core, 16 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll