

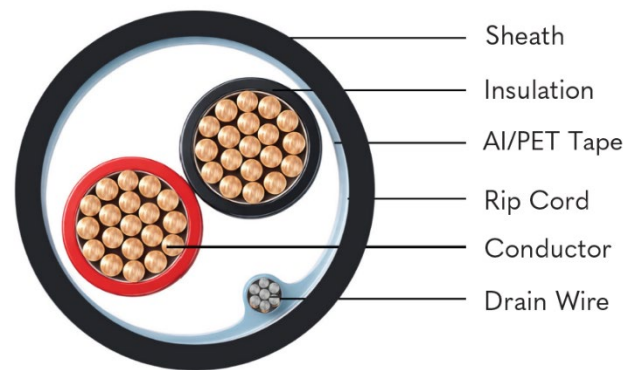
## APPLICATION

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

## DESIGN

Conductor: N x Bare Copper Wire, 14 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	VSC214PE	VSC314PE	VSC414PE	VSC614PE	VSC814PE
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)				
Nom. Overall Diameter (mm)	6.4	6.9	7.3	9.0	10.2
Operating Temperature Range (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (Install) (mm)	64	69	73	90	102
Nominal Cable Weight (kg/km)	52	74	96	144	185

## ELECTRICAL CHARACTERISTICS

Part Number	VSC214PE	VSC314PE	VSC414PE	VSC614PE	VSC814PE
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	9.36				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance Conductor to Conductor (Pf/m)	105	100	98	96	95
Capacitance Conductor to other Conductors + Screen (Pf/m)	190	190	178	175	170
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	8	8	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

## REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

## ORDERING INFORMATION

Part Number	Description
VSC214PE	Voltan UK 2 Core, 14 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC314PE	Voltan UK 3 Core, 14 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC414PE	Voltan UK 4 Core, 14 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC614PE	Voltan UK 6 Core, 14 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC814PE	Voltan UK 8 Core, 14 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll