VOLTAN

POWERING CONNECTIONS • ENERGIZING SOLUTIONS

2C to 8C, 14AWG Shielded Multi Conductor Cable, PE Sheath

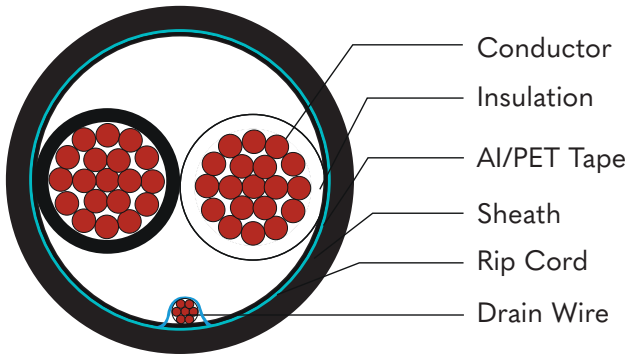
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 14 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: 24 AWG (7 x 32), Tinned Copper
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	VSC214PE	VSC314PE	VSC414PE	VSC614PE	VSC814PE
No of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.8				
Nom.Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Overall Diameter (mm)	6.4	6.9	7.3	9.0	10.2
Operating Temperature (°C)	-25 / +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 @ 20°C

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 (Ω/km)	9.36				
Max. DC Resistance Screen (Ω)	78.5				
Capacitance Conductor to Cond. (Pf/m)	105	100	98	96	95
Capacitance Conductor to Cond.+ Screen (Pf/m)	190	190	178	175	170
Nominal Inductance (µH/m)	0.5				
Max. Recommended Current at 25°C (Amps)	8	8	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

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CE ISO RoHS

Reference Standards

(BS) EN 50290-2
IEC 60228
RoHS directives

Ordering Information

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