



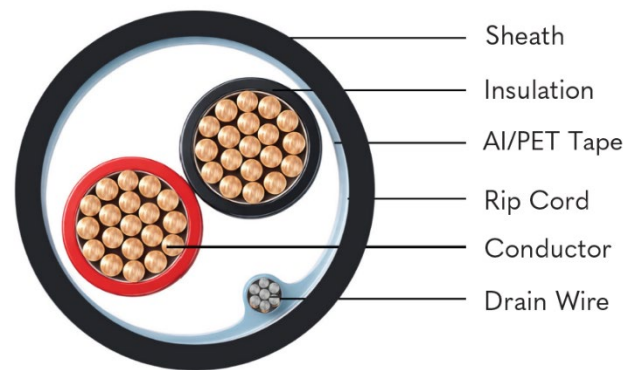
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 12 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	VSC212PE	VSC312PE	VSC412PE	VSC512PE	VSC612PE	VSC812PE
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	6	8
Nom. Diameter Conductor	2.3					
Nom. Radial Thickness Insulation (mm)	0.3					
Nom. Radial Thickness Sheath (mm)	0.65					
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)					
Nom. Overall Diameter (mm)	7.3	7.7	8.6	9.4	10.2	11.3
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (Install) (mm)	73	77	86	94	102	111
Nominal Cable Weight (kg/km)	87	114	146	178	210	272

ELECTRICAL CHARACTERISTICS

Part Number	VSC212PE	VSC312PE	VSC412PE	VSC512PE	VSC612PE	VSC812PE
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω /km)	5.61					
Max. DC Resistance Screen (Ω /km)	78.5					
Capacitance Conductor to Conductor (Pf/m)	105	105	100	100	100	100
Capacitance Conductor to other Conductors + Screen (Pf/m)	345	345	345	180	323	320
Nominal Inductance (μ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC212PE	Voltan UK 2 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC312PE	Voltan UK 3 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC412PE	Voltan UK 4 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC512PE	Voltan UK 5 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC612PE	Voltan UK 6 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC812PE	Voltan UK 8 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll