



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 1: Black, Core 2: White, Core 3: Red, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow

Drain Wire: Tinned Copper Wire

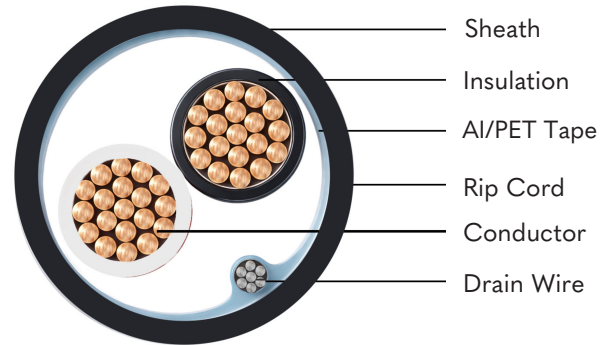
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath Material: PE, Standard Colour: Black

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC212PE	VSC312PE	VSC412PE	VSC612PE	VSC812PE
No. of Cores x 12 AWG (19 x 25)	2	3	4	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)	20 AWG (7 *0.28)				
Nom. Overall Diameter (mm)	7.3	7.7	8.6	10.2	11.3
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	675	1015	1350	2025	2700
Min. Bend Radius (Install) (mm)	73	77	86	102	111
Nominal Cable Weight (kg/km)	87	114	146	210	272

Electrical Characteristics

Part Number	VSC212PE	VSC312PE	VSC412PE	VSC612PE	VSC812PE
No. of Cores x 12 AWG (19 x 25)	2	3	4	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
Capacitance Conductor to other Conductors + Screen (Pf/m)	345	345	345	323	320
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	12	12	9.6	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	2 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC312PE	3 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC412PE	4 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC612PE	6 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll
VSC812PE	8 Core, 12 AWG Shielded Multi Conductor cable, PE Sheath 305M / Roll