VOLTAN

POWERING CONNECTIONS • ENERGIZING SOLUTIONS

2C to 8C, 12AWG
Shielded Multi Conductor Cable
PVC Sheath

APPLICATION

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

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

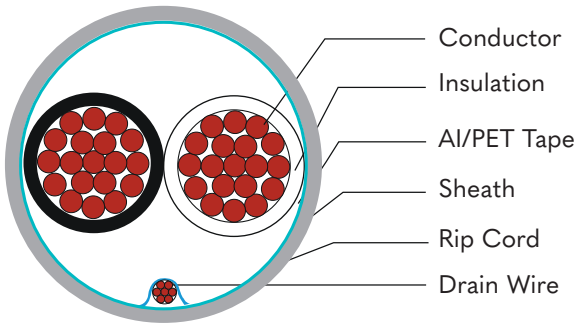
Drain Wire: 20 AWG (7 x 28) Tinned Copper

Rip Cord: Nylon Yarn

Sheath Material: Flame - Retardant Polyvinyl Chloride (PVC), Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC212P	VSC312P	VSC412P	VSC612P	VSC812P
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)	0.45				
Nom. Overall Diameter (mm)	6.9	7.4	8.2	9.8	10.7
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	675	1015	1350	2025	2700
Min. Bend Radius (Install) (mm)	69	74	82	90	107
Nominal Cable Weight (kg/km)	85.7	118.1	151.1	215.5	279.5

Electrical Characteristics

Part Number	VSC212P	VSC312P	VSC412P	VSC612P	VSC812P
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)	78.5				
Capacitance Conductor to Conductor (Pf/m)	105	105	100	100	100
Capacitance Conductor to Cond. + Screen (Pf/m)	220	220	180	180	175
Nominal Inductance (µH/m)	0.5				
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4
Max. Operating Voltage (Vrms)	300				

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CE ISO RoHS

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60331 - 1
RoHS directives

Ordering Information

Part Number	Description
VSC212P	2 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC312P	3 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC412P	4 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC612P	6 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC812P	8 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll