



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 20 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, Core 9: Purple,
Core 10: Grey

Drain Wire: Tinned Copper Wire

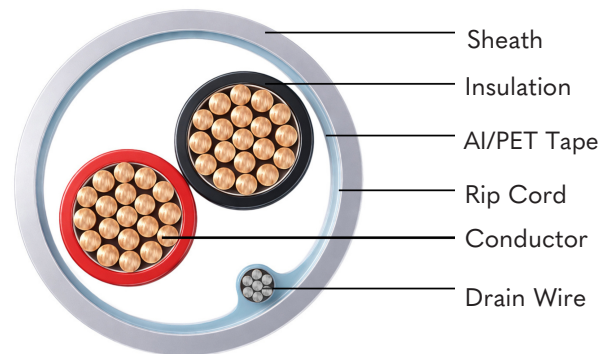
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

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

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC220P	VSC320P	VSC420P	VSC620P	VSC820P
No of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.87				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Drain Wire Diameter (mm)	24 AWG (7 *0.32)				
Nom. Overall Diameter (mm)	3.5	3.7	4.1	5.0	5.4
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	112	168	224	336	448
Min. Bend Radius (Install) (mm)	35	37	41	50	54
Nominal Cable Weight (kg/km)	22	28.5	35.4	49.9	62.9

Electrical Characteristics

Part Number	VSC220P	VSC320P	VSC420P	VSC620P	VSC820P
No of Cores x 20 AWG (7 x 28)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	41.5				
Max. DC Resistance Screen (Ω /km)	95				
Capacitance conductor to conductor (pF/m)	100	90	90	90	75
Capacitance cond. to other Cond.+Screen(pF/m)	190	160	160	140	140
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	5	5	5	3.5	3.5
Max. Operating Voltage (Vrms)	300				

Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

Ordering Information

Part Number	Description
VSC220P	2 Core, 20 AWG Shielded Multi Conductor Cable, PVC 305M / Roll
VSC320P	3 Core, 20 AWG Shielded Multi Conductor Cable, PVC 305M / Roll
VSC420P	4 Core, 20 AWG Shielded Multi Conductor Cable, PVC 305M / Roll
VSC620P	6 Core, 20 AWG Shielded Multi Conductor Cable, PVC 305M / Roll
VSC820P	8 Core, 20 AWG Shielded Multi Conductor Cable, PVC 305M / Roll