



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 20 AWG Flexible

Insulation: Polyolefin

Core Colors: 1: Black, 2: White, 3: Red, 4: Green,
5: Brown, 6: Blue, 7: Orange, 8: Yellow
9: Purple, 10: Grey

Drain Wire: Tinned Copper Wire

Rip Cord: Nylon Yarn

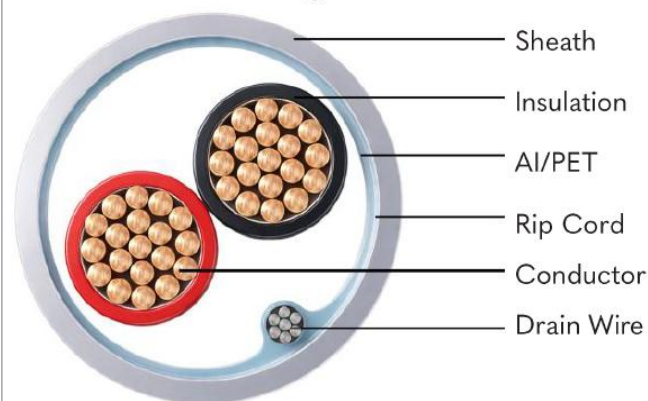
Screen: Aluminium/Polyester 100% Coverage

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	VSC220P	VSC320P	VSC320P	VSC620P	VSC820P	VSC1020P
No. of Cores x 20 AWG (7 x 28)	2	3	4	6	8	10
Nom. Diameter Conductor	0.87					
Nom. Radial Thickness Insulation (mm)	0.2					
Nom. Radial Thickness Sheath (mm)	0.4					
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)					
Nom. Overall Diameter (mm)	3.5	3.7	4.1	5.0	5.4	6.3
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	112	168	224	336	448	560
Min. Bend Radius (Install) (mm)	35	37	41	50	54	63
Nominal Cable Weight (kg/km)	22	28.5	35.4	49.9	62.9	70.5

ELECTRICAL CHARACTERISTICS

Part Number	VSC220P	VSC320P	VSC320P	VSC620P	VSC820P	VSC1020P
No. of Cores x 20 AWG (7 x 28)	2	3	4	6	8	10
Max. DC Resistance Conductor (Ω/km)	41.5					
Max. DC Resistance Screen	95					
Capacitance Conductor to Conductor (Pf/m)	100	90	90	90	75	
Capacitance Conductor to Cond. + Screen (Pf/m)	190	160	160	140	140	
Nominal inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	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	Voltan UK 2 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC320P	Voltan UK 3 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC420P	Voltan UK 4 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC620P	Voltan UK 6 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC820P	Voltan UK 8 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1020P	Voltan UK 10 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll