



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 22 AWG Flexible

Insulation: HFFR / LSZH

Core Colors: 1: Black, 2: White, 3: Red, 4: Green,
5: Brown, 6: Blue, 7: Orange, 8: Yellow
9: Purple, 10: Grey, 11: Pink, 12: Tan

Drain Wire: Tinned Copper Wire

Rip Cord: Nylon Yarn

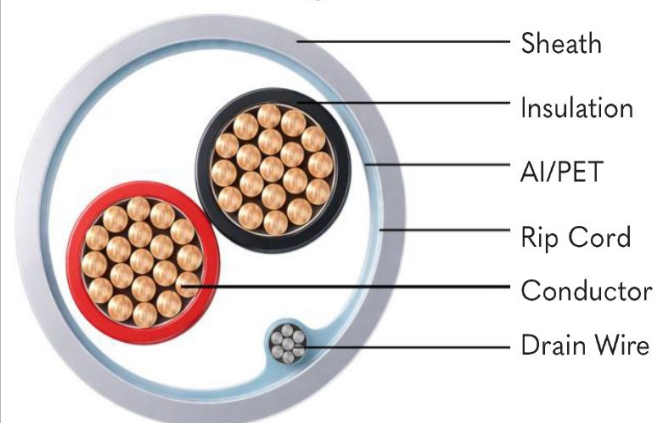
Screen: Aluminium/Polyester 100% Coverage

Sheath Material: Flame-Retardant Halogen free
(HFFR/LSZH)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC222L	VSC322L	VSC422L	VSC622L	VSC822L	VSC1222L
No. of Cores x 22 AWG (7 x 30)	2	3	4	6	8	12
Nom. Diameter Conductor	0.75					
Nom. Radial Thickness Insulation (mm)	0.25					
Nom. Radial Thickness Sheath(mm)	0.6					
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)					
Nom. Overall Diameter (mm)	3.9	4.1	4.4	5.2	5.6	7.0
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	50	75	100	150	200	300
Min. Bend Radius (Install) (mm)	39	41	44	52	56	70
Nominal Cable Weight (kg/km)	20.5	25.2	29.9	41	50.6	80.1

ELECTRICAL CHARACTERISTICS

Part Number	VSC222L	VSC322L	VSC422L	VSC622L	VSC822L	VSC1222L
No. of Cores x 22 AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor (Ω/km)	57.4					
Max. DC Resistance Screen (Ω/km)	78.5					
Capacitance Conductor to Conductor (Pf/m)	115	110	110	105	100	100
Capacitance Conductor to Rest (Pf/m)	200			185		
Nominal Inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	2.8		2.25	1.95	1.95	
Max. Operating Voltage (Vrms)	300					

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC222L	Voltan UK 2 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC322L	Voltan UK 3 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC422L	Voltan UK 4 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC622L	Voltan UK 6 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC822L	Voltan UK 8 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC1222L	Voltan UK 12 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll