



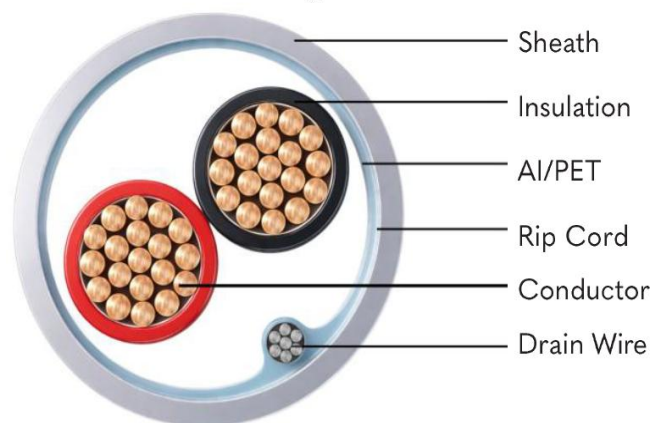
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 16 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	VSC216L	VSC316L	VSC416L	VSC616L	VSC816L	VSC1016L	VSC1216L
No. of Cores x 16 AWG (19 x 29)	2	3	4	6	8	10	12
Nom. Diameter Conductor	1.4						
Nom. Radial Thickness Insulation (mm)	0.25						
Nom. Radial Thickness Sheath(mm)	0.65						
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)						
Nom. Overall Diameter (mm)	5.3	5.5	6.0	7.1	7.7	8.5	9.3
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	260	390	520	780	1040	1300	1560
Min. Bend Radius (Install) (mm)	53	55	60	71	77	85	93
Nominal Cable Weight (kg/km)	45.4	59.2	73.6	102.6	130.4	158	186

ELECTRICAL CHARACTERISTICS

Part Number	VSC216L	VSC316L	VSC416L	VSC616L	VSC816L	VSC1016L	VSC1216L
No. of Cores x 16 AWG (19 x 29)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	15.47						
Max. DC Resistance Screen (Ω/km)	78.5						
Capacitance Conductor to Conductor (Pf/m)	170	168	165	150	146	135	135
Capacitance Conductor to Rest (Pf/m)	308	300	300	275	275	265	265
Nominal Inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	6.25		5.0	4.35		4.0	
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC216L	Voltan UK 2 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC316L	Voltan UK 3 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC416L	Voltan UK 4 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC616L	Voltan UK 6 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC816L	Voltan UK 8 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC1016L	Voltan UK 10 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC1216L	Voltan UK 12 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll