



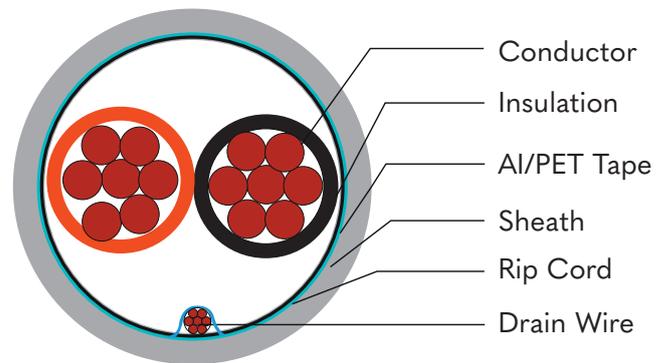
## APPLICATION

Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

## DESIGN

Conductor: N x Bare Copper Wire, 22 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, Core 11: Pink, Core 12: Tan
Cabling: Cores laid by twisting
Drain Wire: 24 AWG (7 x 32) Tinned Copper
Braid: Tinned Copper wire
Screen: Aluminium/Polyester 100% Coverage
Rip Cord: Nylon Yarn
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
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath(mm)	0.6				
Nom. Overall Diameter (mm)	3.9	4.1	4.4	5.2	5.6
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	50	75	100	150	200
Min. Bend Radius (install) (mm)	39	41	44	52	56
Nominal Cable Weight (kg/km)	20.5	25.2	29.9	41	50.6

## Electrical Characteristics

Part Number	VSC222L	VSC322L	VSC422L	VSC622L	VSC822L
Number of Cores x 22AWG (7x30)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance conductor to conductor (pF/m)	115	110	110	105	100
Capacitance conductor to rest (pF/m)	200	200	200	185	185
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recom. Current @ 25°C (Amps)	2.8	2.8	2.25	1.95	1.95
Max. Operating Voltage (Vrms)	300				

## Reference Standards

(BS) EN 50290-2

IEC 60228

IEC 60754-1 & 2

IEC 61034, IEC 60332-3-24 RoHS directives

## Ordering Information

Part Number	Description
VSC222L	2 Core, 22 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC322L	3 Core, 22 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC422L	4 Core, 22 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC622L	6 Core, 22 AWG shielded Multi Conductor Cable, LSZH 305M / Roll
VSC822L	8 Core, 22 AWG shielded Multi Conductor Cable, LSZH 305M / Roll